

List of Major Amendments for NB v.1.2 Excel Submission Template

*Note 1: Refer to the worksheet/ section/ item number ID on Form v01/01a/02.

Item	Aspect	Credit	Worksheet [Note 1]	Section [Note 1]	Item [Note 1]	Description on Amendments	Any new TC/FAQ Related to Amendment? [Yes, No]	Updated Versioning [01a, 02]	Updated e-Form Issue Date
1	SA	P1	Form S	C(1)	-	Simplify the summary table by removing item 2 to 11.	No	02	28-Jan-22
2	SA	P1, 7b	Form S (SA P1), Form S-A	C, F (Form S (SA P1)) A, D (Form S-A)	-	1. Simplify the e-Form by combining Section F(1) and F(2) in Form S (SA P1). 2. Under <u>Greenery Calculation</u> , include sample on-site photo records showing the greenery areas (FA only). 3. Under <u>Landscape Treatment Requirement</u> , - remove the column on "Photo Records". - revise the remark under item 5 to clarify the as-built landscape planting plan shall be approved by AP, RLA or landscape designer. - revise the remark under item 7 to remind Applicant the irrigation layout plan should show the irrigation detail and with all the irrigation tap point properly indicated.	No	02	28-Jan-22
3	SA	7b	Form S-A	A(1)	10 to 12	Revise formula under item 10 to 12 to remove the reduction factor of ± 0.5 .	No	02	28-Jan-22
4	SA	2a	Form S-A	B, C	6	1. Simplify the submittal by removing "photo records of car parking". 2. In Section C(1), include a remark to remind Applicant the type of carparking to be excluded in the minimum car park calculation (e.g. loading/unloading bay, lay-bys, emergency vehicles, etc.).	No	02	28-Jan-22
5	SA	2a	Form S-A	C(3)	-	Fixed the compliance check formula for "Yes" / "No" under first option for project that has convenient access within 500m walking distance.	No	02	28-Jan-22

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6	SA	2b	Form S-B	B(2), C(2)	-	1. Include a calculation template (Appendix C1 to C3) for project to demonstrate credit compliance by a combined operating frequency. 2. In Section C(2), simplify the submittal under item 4 by replacing "Approval issued by Transport Department" to "Undertaking letter by project proponent or 1 year rolling contract with service provider."	FAQ #135	02	28-Jan-22
7	SA	3a,b	Form S-A, Form S-B,	B	-	Enhance the clarity of summary table for <u>Basic Services</u> and <u>Neighbourhood Recreational Facilities</u> to include the submittals for future services/facilities provision.	No	02	28-Jan-22
8	SA	3c	Form S-C	C(2)	-	Revise description to clarify "Contract Agreement" is also accepted as the substantiation for basic services in FA stage.	No	02	28-Jan-22
9	SA	8a,c	Form S-A, Form S-C	A(2)	3	Elaborate the information to be included for simulation setting.	No	02	28-Jan-22
10	SA	8b	Form S-B	A(2)	-	Include a remark to clarify the non-roof impervious surface within the building footprint shall be excluded from the assessment.	FAQ #136	02	28-Jan-22
11	SA	8c	Form S-C	A(2)	2, 5	Remove summer wind condition from the requirement, which is optional for the credit.	No	02	28-Jan-22
12	SA	9	Form S	C(2), C(3)	-	1. In Section C(2), add the supporting document for Applicant to clarify the characteristics of sensitive receivers. 2. In Section C(3), revise the remark to clarify VDF greater than 40% is considered as an outlier and Applicant should provide explanation.	No	02	28-Jan-22
13	SA	11, 12, 13 (SA), P3 (MA)	Form S-A, Form B1 to B3	-	-	Separate the appendices (Appendix A, B1 to B3) to another excel file to enhance the processing time of Macro function.	No	02	28-Jan-22
14	SA	14	Form S	C(2), E(1)	5	1. Simplify the submittals by removing the requirement on Purchase Order/ Delivery Note in Section C(2). 2. Noise calculation template (Appendix B) is included to assist Applicant in preparing the submission.	No	02	28-Jan-22

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15	SA	15	Form S	B, C, D	-	1. Simplify the e-Form by combining Section C and D. 2. Enhance clarity by re-arranging the table of required submittal and reference sections in the simulation report. 3. Add a remark to clarify Building Luminance shall be assessed if any floodlight and/or other type of lighting is installed for illuminating the building facade.	FAQ #137	02	28-Jan-22
16	MA	P1	Form S	B(6), C(7), D(6), E(6)	-	Enhance clarity by revising the description of evidences to substantiate no timber is used.	No	02	28-Jan-22
17	MA	P2	Form S	C, D	-	1. Simplify the e-Form by removing Schedule of HVAC&R Equipment (Appendix A), MVAC schematic and layout drawings, Purchase order/ Delivery note and Photo records. 2. Enhance clarity by providing example of technical data (item 4 of Section D).	No	02	28-Jan-22
18	MA	P4	Form S	A, C	-	<u>Section A (Option 4)</u> 1. For development with UFS less than 1320 or 3960m ² , include the supporting to show the UFS. <u>Section C (Item 1)</u> 2. Include a waste stream calculation template (Appendix A and Appendix B) to assist Applicant to prepare the submission.	No	02	28-Jan-22
19	MA	P4	Form S	D(1) and (2)	-	Re-organise the columns in the two tables to enhance the clarity in calculating the required and provided area of RS&MRC.	No	02	28-Jan-22
20	MA	P4	Form S	E(1), E(3), E(4)	-	1. In Section E(1), include Option 2 for project with cluster of low-rise domestic houses only. 2. In Section E(1), remove the supporting on Site Area under Option 2 and Waste Stream Calculation under Option 4. 3. In Section E(3), remove the provision of Glass. 4. In Section E(3), include supporting for the provision of deodorisation device for RS&MRR.	No	02	28-Jan-22

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21	MA	P4	Form S	F(1)	-	Enhance the NA options and simplify the submittal for IWF: 1. Add a NA option for cluster of low-rise domestic houses with the RS&MRC/ IWF located less than 60m from the farthest houses. 2. Remove the supporting under Option 1 to demonstrate no cluster of low-rise domestic house.	No	02	28-Jan-22
22	MA	3, 5, 6, 7, 9	Form S (MA 3, 5, 6, 9), Form S-A, S-B, S-C (MA 7)	-	-	Revise description to clarify the SQP qualified for endorsement of the calculation/ summary/ worksheet of building elements/ materials and specify the required submittals.	FAQ #138	02	28-Jan-22
23	MA	3	Form S	D	7	Simplify the submittals by removing the photo records of the prefabricated building elements.	No	02	28-Jan-22
24	MA	6	Form S-A	A	-	Simplify the summary table by removing the column on expiry date of certificates.	No	02	28-Jan-22
25	MA	7c	Form S-C	A	-	Simplify the submittals by only requiring Contract Specification for Interior Components in PA.	No	02	28-Jan-22
26	MA	8a	Form S, Form S-A	B, C (Form S) A (Form S-A)	-	1. Separate e-Form of MA 8 from MA P2 to enhance clarity. 2. Include the following submittals due to the change mentioned in Point 1 above: Schedule of HVAC&R Equipment, Contract specification, Catalogue, Technical data. 3. Remove column (vii) to (ix) in Appendix A due the change mentioned in Point 1 above.	No	02	28-Jan-22
27	MA	10, 11	Form S	D(4) (MA 10) C(4), D(4) (MA 11)	-	Include a remark to clarify the supporting if backfilling with excavated materials is used as an approach for waste reduction.	FAQ #139	02	28-Jan-22
28	EU	P1	Form S	B, C, D, E	-	1. Revise the description for scope of application under Section B for project that are not governed by Building Energy Efficiency Ordinance. 2. Enhance clarity of e-Form by re-organise the sections in Section C to E. 3. Simplify the e-Form by combining the prescriptive and performance approach.	TC 2018.147 (Rev3)	02	28-Jan-22

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29	EU	EU 1, Option 2 EU 13	Form S (EU 1-A), Form S (EU 13)	D (EU 1) C(1) (EU 13)	2 (EU 1) 5a (EU 13)	Clarify in the remark that daylight simulation result can be in false colour rendering or simulation output showing numerical result.	No	02	28-Jan-22
30	EU	EU 1, Option 2	Form S (EU 1-A)	A(1), E	-	1. Separate e-Form of EU 1-A from EU 1&2 into another excel file. 2. Include input field for the calculated site permeability percentage. 3. Include a remark to define the common area to be assessed for EU 1e Active Building System.	FAQ #141, #142	02	28-Jan-22
31	EU	EU 1, Option 2	Form S (EU 1-A)	E(8), (11), (12)	-	<u>Section E(8)</u> 1. Revise calculation for column (x), include $\div 1000$ <u>Section E(11)</u> 2. Revise wording in header for column (iv) from "Daily Operating Hours" to "Annual Operating Hours" 3. Remove $\div 365$ in formula for column (ix) and (x) <u>Section E(12)</u> 4. Revise compliance logic for "Yes" and "No".	No	02	28-Jan-22
32	EU	EU 2	Form S (EU 2)	B	-	Provide input field for Applicant to specify the date and time of the peak electricity demand.	No	02	28-Jan-22
33	EU	3	B, C, D	-	-	1. Enhance clarity of e-Form by re-organising Section B, C, D. 2. Include a remark to clarify it is not necessary to have the report endorsed by the Structural Engineer or Quantity Surveyor.	FAQ #143	02	28-Jan-22
34	EU	4	Form S, Form S-A	A (Form S) B (Form S-A)	-	<u>Form S - Credit Applicability</u> 1. Under the 2nd option, revise the supporting from Photo Records to GBP to substantiate the open carpark area. 2. Under the 3rd option, include the supporting for CFA breakdown. <u>From S-A</u> 3. Include input field for supporting document if % loading for proposed case is less than 1.	No	02	28-Jan-22

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35	EU	5	Form S, Form S-A	B (Form S) A, B (Form S-A)	-	<u>Form S</u> 1. Simplify the submittal by removing "site photo of carpark lighting" in Section B(1). <u>Form S-A</u> 2. Enhance flexibility by allowing Applicant to define the required illuminance level as per the design of lighting system. The corresponding document to support the design figure is added in Section B(1) of Form S. 3. Separate the calculation table into Baseline Case and Design Case to enhance clarity. 4. Include input field for supporting document if % loading for proposed case is less than 1.	No	02	28-Jan-22
36	EU	6	Form S	B, D	-	1. Separating e-Form of EU 6 from EU 1&2 into another excel file. 2. In Section B, remove the submittal on T&C records. 3. Revise Section D(2) and (3) to allow Applicant to attempt credit by area weighting method. 4. In Section D(1), include remark to remind Applicant the points to include/consider in the calculation/simulation report. 5. In Section B (item 4), revise description to remind Applicant the schematic should show the connection between the renewable energy system and electrical system of the project.	FAQ #144, #145	02	28-Jan-22
37	EU	7	Form S	A	-	Include supporting document to justify the development is served mainly by central AC system, and hence not applicable.	No	02	28-Jan-22
38	EU	10, 11	-	-	-	1. Enhance clarity of the scope of assessment by adding sections for Domestic Hot Water and Renewable Energy. 2. Simplify the e-Form by combining the Type of Areas in the summary table.	No	02	28-Jan-22
39	EU	10	Form S-A to Form S-E	-	-	1. In Appendix A to D, include submittal for Contract Specification on BEAM Plus requirement. 4. Simplify e-Form by removing Section C in Appendix E.	No	02	28-Jan-22

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40	EU	11	Form S-A, Form S-B, Form S-C	-	-	1. Simplify the e-Form by combining the Specifications for various E&M systems into one Contract Specification on BEAM Plus requirement. 2. Include a remark to remind Applicant the O&M Manual and Energy Manual shall be approved by client representative and/or MEP.	FAQ #146	02	28-Jan-22
41	EU	11c	Form S-C	A	-	<u>Chemical Storage and Mixing Area</u> 1. Enhance clarity by adding input field for the location and name shown on GBP. 2. Include a remark to clarify chemical storage and mixing area shall be provided for HVAC related plant for cooling and/or heating generation (e.g. chiller plant, heat pump plant, cooling tower plant, etc.) installed within the project assessment boundary serving the non-domestic portion of the project for centralised cooling and/or heating supply. 3. Simplify the submittals by only requiring photo records showing the provision of lockable enclosure and chemical mixing area in FA stage.	FAQ #147	02	28-Jan-22
42	EU	11c	Form S-C	B, D	-	1. In Section B, delete the section on Workshops, Office Accommodation and Control Room. 2. In Section C, revise description to clarify training material shall also include training records.	TC 2022.176	02	28-Jan-22
43	WU	P1	Form S, Form S-B	C(3)	-	1. Simplify e-Form by removing Option 2 and Appendix B. 2. Include a remark to clarify the retesting arrangement if any result of the water sampling test fails to comply.	FAQ #148	02	28-Jan-22
44	WU	2	Form S-A	B(2)	6	Simplify the submittal by removing the requirement on photo records.	No	02	28-Jan-22
45	WU	3	Form S (WU-3)	C, D	1	1. Provide example of suitably qualified person to prepare/ endorse the landscape proposal or report. 2. Include a remark to clarify the type of justification to provide in case native and/or adaptive species are adopted in the project.	No	02	28-Jan-22

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46	WU	3	Form S (WU-3)	D(1)	-	1. Simplify e-Form by combining the submittals on irrigation plan and plumbing schematic and/or layout drawings. 2. Revise description to remind Applicant the drawings need to demonstrate the connection between drainage point from catchman area to rainwater harvesting system. 3. Include a remark to clarify the landscape and planting area to be included in the calculation.	FAQ #149	02	28-Jan-22
47	WU	3&4	Form S (WU 3), Form S-A	D (Form S) 1, 2 (Form S-A)	-	Enhance the flexibility in computing the irrigation demand: 1. In Appendix A, remove the calculation on irrigation demand. 2. In Form S, allow Applicant to submit the calculation and/or justification on the irrigation demand if the typical value of 7L/day/m2 is not used.	No	02	28-Jan-22
48	WU	3&4	Form S-A	1, 2	-	Enhance clarity of calculation template: 1. Update calculation and include formula in the header. 2. Provide instruction in case there is more than one type of catchman area in the project.	No	02	28-Jan-22
49	IEQ	P1/9, 5, 16, 21	Form S	-	-	Update the exclusion clause as per Circular Letter 2020.168 (Rev 1).	TC 2020.168 (Rev 1)	02	28-Jan-22
50	IEQ	10, 12, 14, 15	Form S	-	-	Provide example of screenshots to be provided for model input.	No	02	28-Jan-22
51	IEQ	P1	Form S	E(2), (3)	-	1. Provide recommendation on louvre calculation. 2. Simplify e-Form by removing submittal on Technical data.	No	02	28-Jan-22
52	IEQ	P1,9&12	Form S-A	-	-	1. Include General Note to provide further instruction on the usage of the calculation worksheet. 2. Enhance the flexibility by allowing Applicant input project specific population. 3. Enhance the compliance check function for IEQ P1, 9 and 12.	No	02	28-Jan-22
53	IEQ	9&12	Form S	-	-	Include a remark to clarify credit cannot be achieved by the provision of fresh air louvre.	FAQ #150	02	28-Jan-22
54	IEQ	3	Form S	C	1, 2	Include remarks to clarify the scope of assessment for the provision of drain trays, U-traps and air-breaks for air conditioning equipment.	No	02	28-Jan-22

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55	IEQ	4&11	Form S (IEQ 4), Form S-A	C(3) (IEQ 4) A, B (Form S-A)	-	Simplify the e-Form by: 1. Removing ventilation flowrate calculation in IEQ 4. 2. Combining Section A and B to provide ventilation calculation only for IEQ 11. 3. Separating the e-Form for IEQ 4 and IEQ 11 into two excel files. 4. Removing submittal on Delivery Note (apply for IEQ 4 & 11), T&C records (apply for IEQ 4), photo record (apply to IEQ 11b).	No	02	28-Jan-22
56	IEQ	15, 16, 17	Form S	-	-	Simplify the submittal to substantiate the modelling input: 1. Provide the typical reflectance values. 2. Clarify the supporting required in case the adopted reflectance values exceed the typical value.	FAQ #151	02	28-Jan-22
57	IEQ	15	Form S Form S-A	-	-	1. In Form S-A, remove column (vi) on Room Type and include a remark to clarify in case the lowest floor of low zone can fully demonstrate worst case scenario for typical layout building, the same result can be used for mid/high zone. 2. In Section D(1) of Form S, remove the input parameter for glazing outer reflectance and glazing inner reflectance. 3. In Section D(2) of Form S, include a submittal to support the window size.	No	02	28-Jan-22
58	IEQ	16, 17	Form S	C (IEQ 16), B (IEQ 17)	-	1. Remove "f. False colour rendering" in the simulation report. 2. Enhance flexibility by allowing Applicant to submit alternative worksheet to summarise the interior lighting in normally/not normally occupied area.	No	02	28-Jan-22
59	IEQ	16	Form S	C(1), D	-	Include the submittal (e.g. catalogue of lighting fixture) showing the colour rendering index.	No	02	28-Jan-22
60	IEQ	23	Form S	C	-	1. Update the list of approved examples for IEQ 23b to include "Air-conditioning control system" under item (3). 2. Include a remark to clarify the definition of "Maintenance Workshop".	FAQ #152	02	28-Jan-22

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61	EU	1 & 2	Form S (EU 1), Form S (EU 2), Appendix A-1	-	-	Update the point scale for projects that shall adopt BEC 2021 in the baseline energy simulation/calculation.	TC 2022.178	02-01	13-May-22
62	SA	P1 & 7	Form S-A	A	-	Remove item 2 to 9 in the summary table to cater the update calculation method stated in TC 2022.181.	TC 2022.181	02-01	30-Jun-22
63	SA	11, 12	Form S	B(3), C(2), D(2)	6	Include the selection of dust/ noise monitoring requirement, and update the conditional formatting in subsequent sections.	TC 2022.182	02-01	07-Oct-22
64	EU	1-A	Form S (EU 1-A), Appendix A-2, Appendix A-3	E(8), E(11)	-	Include the baseline LPD and lift rated power for project adopting BEC 2021.	No	02-01	07-Oct-22
65	EU, IEQ	EU 9, IEQ 6, 7, 10, 13, 14, 15	Form S	D(2) (IEQ 6, IEQ 7) D (IEQ 10) D(5) (IEQ 13) B(5) (IEQ 14) D(3), E(4) (IEQ 15)	-	Fixed the compliance check logic for projects with less than 6 area weighting.	No	02-01	07-Oct-22
66	EU	EU 11c	Form S-C	A	-	Update the requirement of chemical storage and mixing facilities.	TC 2019.155 (Rev 1)	02-01	21-Jul-23
67	MA	MA P4	Appendix A, Appendix B	-	-	Include the data from "Monitoring of Solid Waste in Hong Kong Waste Statistics for 2021" issued by EPD for waste stream calculation.	No	02-01	01-Sep-23
68	IEQ	IEQ 3	Form S	C	2	Include remarks to clarify that detailed drawing (e.g. installation details) clearly illustrating the design/ provision of "air break" in the condensate drain-pipe which serves the purpose of curtailing the spread of Legionella bacteria shall be submitted and Applicants may refer to Figure 6 of the COP for Prevention of Legionnaires' Disease (2016/ 2021 Edition) which displays exemplary designs in this context	FAQ #204	02-01	15-Dec-23
69	IEQ	IEQ 13a	Form S	C(4)	1	Include remarks to clarify the temperature measurement should be undertaken on an 8-hour basis during normally occupied period and a surrogate measurement (i.e. an intermittent measurement strategy based on the average of half-hour measurements conducted at four time slots) is also considered acceptable where it is not practicable to take 8-hour continuous measurement.	FAQ #207	02-02	15-Dec-23

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70	IEQ	IEQ 14b	Form S	C(5)	1	Include remarks to clarify the temperature measurement should be undertaken on an 8-hour basis during normally occupied period (i.e. from 8am to 9pm in the living room and from 9pm to 8am in the bedroom for residential development) and a surrogate measurement (i.e. an intermittent measurement strategy based on the average of half-hour measurements conducted at four time slots) is also considered acceptable where it is not practicable to take 8-hour continuous measurement.	FAQ #207	02-02	15-Dec-23
71	SA	SA 14	Appendix B	-	-	Rectify the calculation formulae under column (xiii).	No	02-01	11-Apr-24