Consultation Response Form
Building Regulations Part L & F Review – Stage 2B

Changes to Part L (conservation of fuel and power) and Part F (ventilation) of the Building Regulations for non-domestic buildings and mitigating overheating in new residential buildings

This consultation is aimed primarily at firms, individuals and their representative bodies within construction and construction-related industries and the building control bodies that enable the building control system to operate. Specific elements may be of interest to members of the public.

This document is the final stage of a three-part consultation about proposed changes to the Building Regulations. The stage 1 consultation ran between December 2019 and March 2020. Stage 2A ran between November 2020 and February 2021.

You can email your response to the questions in this consultation to: enquiries.brconstruction@gov.wales

If you are responding in writing, please make it clear which consultation and which questions you are responding to:

***Building Regulations Part L/F Review – Stage 2B***

Written responses should be sent to:

Building Regulations, Welsh Government, Cathays Park, Cardiff, CF10 3NQ.

If you have any queries on this consultation, please email: enquiries.brconstruction@gov.wales or telephone: 0300 062 8144.

| **Data Protection** |
| --- |
| Any response you send us will be seen in full by Welsh Government staff dealing with the issues which this consultation is about. It may also be seen by other Welsh Government staff to help them plan future consultations.The Welsh Government intends to publish a summary of the responses to this document. We may also publish responses in full. Normally, the name and address (or part of the address) of the person or organisation who sent the response are published with the response. This helps to show that the consultation was carried out properly. If you do not want your name or address published, please tick the box below. We will then blank them out.Names or addresses we blank out might still get published later, though we do not think this would happen very often. The Freedom of Information Act 2000 and the Environmental Information Regulations 2004 allow the public to ask to see information held by many public bodies, including the Welsh Government. This includes information which has not been published. However, the law also allows us to withhold information in some circumstances. If anyone asks to see information we have withheld, we will have to decide whether to release it or not. If someone has asked for their name and address not to be published, that is an important fact we would take into account. However, there might sometimes be important reasons why we would have to reveal someone’s name and address, even though they have asked for them not to be published. We would get in touch with the person and ask their views before we finally decided to reveal the information. |

| **Confidentiality** |
| --- |
| Responses to consultations may be made public on the internet or in a report. **If you do not want your name and address to be shown on any documents we produce please indicate here** [ ]  |

**CONSULTATION FORM**

| **Amendments to statutory guidance** |
| --- |
| **Date:**  |
| Your Name: |  |
| Your Position *(if applicable):* |  |
| Your Organisation *(if applicable):* |  |
| Email / Telephone Number:  |  |
| Your address: |  |

| Type of Organisation: Choose one of the following: | Select one |
| --- | --- |
| Builder / Developer |  |
| Small/medium builder |  |
| Volume house builder |  |
| Designer / Engineer /Surveyor |  |
| Local Authority |  |
| Building Control Approved Inspector |  |
| Architect |  |
| Manufacturer/supply chain  |  |
| Energy Assessor  |  |
| Energy sector  |  |
| Construction professional |  |
| Property Manager / Housing Association / Landlord  |  |
| Building Occupier/ Resident |  |
| Other interested party (please specify) |  |

**Question 1**

| Our aim is that buildings constructed to the Part L 2025 Standard will be capable of becoming carbon neutral over time as the electricity grid and heat networks decarbonise. * Do you agree that the outline of the 2025 Standard in this chapter meets this aim?
 |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 2**

| We believe that developers will typically deploy heat pumps and heat networks to deliver the low carbon heating requirement of the Part L 2025 Standard where practical. What are your views on this and in what circumstances should other low carbon technologies, such as direct electric heating or hydrogen, be used? |
| --- |
|  |

**Question 3**

| Do you agree that some non-domestic building types are more suitable for low carbon heating and hot water, and that some non-domestic building types are more challenging? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 4**

| Do you agree with the allocation of building types to space and water heating demand types, as presented in Table 2.1 of this consultation document? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning, including how different building types should be allocated. |

**Question 5**

| Do you think the Part L 2025 Standard should introduce low carbon space *heating* for buildings with Type 1 or Type 2 demand (buildings that have space heating demand more suitable for heat pumps)? |
| --- |
| 1. Yes in 2025 – our proposed date
 |  |
| 1. No – Another date (please specify)
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 6**

| Do you think the Part L 2025 Standard should introduce low carbon space *heating* for buildings with Type 3 demand (buildings that have space heating demand less suitable for heat pumps)? |
| --- |
| 1. Yes in 2025
 |  |
| 1. No – Another date (please specify)
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 7**

| Do you think the Part L 2025 Standard should introduce low carbon water *heating* for buildings with Type 1 or Type 3 demand (buildings that have water heating demand more suitable for point-of-use heaters or heat pumps)? |
| --- |
| 1. Yes in 2025 – our proposed date
 |  |
| 1. No – Another date (please specify)
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 8**

| Do you think the Part L 2025 Standard should introduce low carbon water *heating* for buildings with Type 2 demand (buildings that have water heating demand less suitable for point-of-use heaters or heat pumps)? |
| --- |
| 1. Yes in 2025
 |  |
| 1. No – Another date (please specify)
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 9**

| We would welcome any further suggestions, beyond those provided in this consultation, for improving the modelling process; Part L and Part F compliance; and the actual energy performance of non-domestic buildings. Please provide related evidence. |
| --- |
|  |

**Question 10**

| What level of uplift to the energy efficiency standards for non-domestic buildings in the Building Regulations should be introduced in 2021? |
| --- |
| 1. Option 1 – average 18% CO2 reduction
 |  |
| 1. Option 2 – average 28% CO2 reduction (this is the Government’s preferred option)
 |  |
| 1. No change
 |  |
| 1. Other level of uplift (please specify)
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning and provide supporting evidence or alternative suggestions where applicable. |

**Question 11**

| Do you agree with the way that we are proposing to apply primary energy as the principal performance metric?  |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 12**

| Do you agree with using CO2 as the secondary performance metric? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 13**

| Do you agree with the approach to calculating CO2 and primary energy factors, referred to in paragraph 3.5.7 of this consultation document? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 14**

| Do you agree with the proposals for natural gas being assigned as the heating fuel for any fuels with a worse CO2 emission factor than natural gas? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 15**

| Do you agree with our proposal of using a natural gas heating system in the notional building when electricity is specified as a heating fuel?  |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 16**

| Do you agree with the proposal for the treatment of domestic hot water in the notional building? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 17**

| Do you agree with the proposals for the details of the district heating system for the notional building described when connecting to an existing heat network, as presented in the draft NCM modelling guide? |
| --- |
| 1. Yes
 |  |
| 1. No, they give too much of an advantage to heat networks
 |  |
| 1. No, they do not give enough of an advantage to heat networks
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| If you answered no (b, c or d), please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 18**

| Do you agree with the proposal for connecting to a new heat network, as presented above? |
| --- |
| 1. Yes
 |  |
| 1. No, they give too much of an advantage to heat networks
 |  |
| 1. No, they do not give enough of an advantage to heat networks
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| If you answered no (b, c or d), please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 19**

| Do you agree with the proposed changes to the National Calculation Methodology Modelling Guide and activity database? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but additional changes should be made
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered b or c, please explain your reasoning and provide alternative suggestions.  |

**Question 20**

| We would welcome any further suggestions for revising the outputs from SBEM, which would enable easier checking by building control on building completion. Please provide related evidence. |
| --- |
|  |

**Question 21**

| Do you agree with the proposals for limiting heat gains in non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No, they go too far
 |  |
| 1. No, they don’t go far enough
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| If you answered no (b, c or d), please explain your reasoning and provide alternative suggestions. |

**Question 22**

| Do you agree with the proposed minimum standards for fabric performance in new non-domestic buildings as presented in Table 3.5 of this consultation document? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| If you answered no (b, c or d), please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 23**

| Do you agree with the proposed improvement in the minimum standards for new or replacement windows in existing non-domestic buildings which are domestic in character? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 24**

| Do you agree with the further guidance on reducing moisture risks when upgrading retained thermal elements?  |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 25**

| Do you agree with the draft guidance in paragraph 4.15 of the draft Approved Document L, volume 2: *buildings other than dwellings* on reducing unwanted air infiltration when carrying out work to existing non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 26**

| Do you agree that the limiting U-value for rooflights in new and existing non-domestic buildings should be based on a rooflight in a horizontal position, as detailed in paragraph 4.4 of draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 27**

| Do you agree that we should adopt the latest version of BR 443 for calculating U-values in new and existing non-domestic buildings, as detailed in paragraph 4.1 of draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 28**

| Do you agree with the newly proposed minimum efficiencies for natural gas, oil and LPG boiler and domestic hot water system installations in new non-domestic buildings in Section 6 of draft *Approved Document* *L, volume 2:* *buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 29**

| Do you agree with the proposed set of standards for air distribution systems for new non-domestic buildings in Section 6 of draft *Approved Document L*, *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 30**

| Do you agree with the minimum efficacy proposals for lighting in new non-domestic buildings in Section 6 of draft *Approved Document L*, *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 31**

| Do you agree with the proposals for cooling in new non-domestic buildings in Section 6 of draft *Approved Document L, volume 2:* *buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 32**

| Do you agree with the proposals for improving the commissioning guidance and the provision of new information for new non-domestic buildings in Section 8 and 9 of draft *Approved Document L*, *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but additional changes should be made
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered (b) or (c), please explain your reasoning and provide alternative suggestions. |

**Question 33**

| Do you agree with the guidance proposals for adequate sizing and controls of building services systems in new non-domestic buildings, as detailed in Sections 5 and 6 of draft *Approved Document L*, *volume 2: buildings other than dwellings*?  |
| --- |
| 1. Yes
 |  |
| 1. No, I do not agree with providing guidance on this
 |  |
| 1. No, the guidance should be improved
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 34**

| Do you agree with the proposal that wet space heating systems in new buildings should be designed to operate with a flow temperature of 55°C or lower? |
| --- |
| 1. Yes, through a minimum standard set in paragraph 5.9 of the *Approved Document L*, *volume 2: buildings other than dwellings*
 |  |
| 1. Yes, through carbon and primary energy credit in SBEM
 |  |
| 1. Yes, by another means
 |  |
| 1. No, the temperature should be below 55°C
 |  |
| 1. No, this standard should not be applied to all new buildings
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 35**

| Do you agree with the proposals to clarify, rationalise and simplify the guidance for building services in new non-domestic buildings, and to incorporate the standards of the Non-Domestic Building Services guidance into the main body of the draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 36**

| Do you agree with the proposals to simplify the requirements in the Building Regulations for the consideration of high-efficiency alternative systems in new non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 37**

| Do you agree with the proposals for replacement of fixed building services in existing non-domestic buildings as detailed in paragraphs 5.4 to 5.7 of draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 38**

| Do you agree with the newly proposed minimum efficiencies for natural gas, oil and LPG boiler and domestic hot water system installations in existing non-domestic buildings in Section 6 of draft *Approved Document L*, volume 2: *buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 39**

| Should minimum boiler efficiency standards in existing non-domestic buildings still benefit from relaxations through the use of heating efficiency credits? |
| --- |
| 1. Yes, boiler installations should continue to benefit from heating efficiency credits
 |  |
| 1. No, boiler installations should no longer benefit from heating efficiency credits (the Government’s proposal)
 |  |
| 1. Unsure
 |  |
| If you answered yes, please explain your reasoning. |

**Question 40**

| Do you agree with the proposed set of standards for air distribution systems for existing non-domestic buildings in Section 6 of draft *Approved Document L*, *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 41**

| Do you agree with the minimum efficacy proposals for lighting in existing non-domestic buildings in Section 6 of draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 42**

| Do you agree with the proposals for cooling in existing non-domestic buildings in Section 6 of draft *Approved Document L*, volume 2: *buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards go too far
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 43**

| Do you agree with the proposals for requirements relating to the commissioning and providing information to building owners for existing non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but additional changes should be made
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered (b) or (c), please explain your reasoning and provide alternative suggestions. |

**Question 44**

| Do you agree with the guidance proposals for adequate sizing and controls of building services systems in existing non-domestic buildings, as detailed in Sections 5 and 6 of draft *Approved Document L*, *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, do not agree with providing this guidance
 |  |
| 1. No, the guidance should be improved
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 45**

| Do you agree with the proposal that when whole wet space heating systems (i.e. boiler and radiators) are replaced in existing non-domestic buildings the replacement system should be designed to operate with a flow temperature of 55°C or lower? |
| --- |
| 1. Yes, through a minimum standard set in paragraph 5.9 of *Approved Document L, volume 2: buildings other than dwellings*
 |  |
| 1. Yes, through carbon and primary energy credit in SBEM
 |  |
| 1. Yes, by another means
 |  |
| 1. No, the temperature should be below 55°C
 |  |
| 1. No, this standard should not be applied to all existing buildings
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 46**

| Do you agree with the proposals to restructure the guidance for building services in existing non-domestic buildings, and to incorporate the standards of the Non-Domestic Building Services guidance into the main body of the draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 47**

| Do you agree the Government should continue to provide guidance for minimum building services efficiencies in existing non-domestic buildings, if the standard does not go significantly further than the Ecodesign regulations? |
| --- |
| 1. Yes
 |  |
| 1. No, the Ecodesign regulations are sufficient
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning. |

**Question 48**

| Do you agree with the changes made to simplify, rationalise and clarify the guidance, and the updates to external references in Appendix E and Appendix F, in draft *Approved Document L, volume 2: buildings other than dwellings*, as outlined in paragraph 3.12.1 of the consultation document? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but not with the changes to the supplementary guidance
 |  |
| 1. Yes, but not with the external references
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. Please do not repeat comments on the changes made to simplify, rationalise and clarify the guidance for Building Services which you have already provided under Questions 38, 51 and 52. |

**Question 49**

| Do you agree that the measures in Tables D.1 and D.2 of Appendix D of draft *Approved Document L, volume 2: buildings other than dwellings* are likely to be technically, functionally and economically feasible under normal circumstances? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 50**

| Do you agree with the proposals for relaxation factors for modular and portable buildings, as detailed in Tables 2.2 and 2.3 of draft *Approved Document L, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the requirements go too far
 |  |
| 1. No, the requirements do not go far enough
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning and provide supporting evidence or alternative suggestions. |

**Question 51**

| Do you think that the Pulse methodology should be an approved means of demonstrating airtightness for non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide supporting evidence. |

**Question 52**

| Do you agree that we should adopt an independent approved airtightness testing methodology such as the CIBSE draft methodology for non-domestic buildings? |
| --- |
| 1. Yes, and the CIBSE methodology is appropriate
 |  |
| 1. Yes, but with a methodology other than CIBSE
 |  |
| 1. No, an independent approved airtightness methodology shouldn’t be adopted.
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 53**

| Do you agree with the proposal for guidance on the calibration of devices that carry out airtightness testing in new and existing non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 54**

| Do you agree with the proposed approach to energy sub-metering, as detailed in Section 5 of draft *Approved Document L, volume 2:* *buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 55**

| Do you agree with the proposals for transitional arrangements for buildings other than dwellings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 56**

| Do you agree with the proposed guidance in Section 1 and Section 2 of draft *Approved* *Document F, volume 2: buildings other than* *dwellings* on minimising the ingress of external pollutants and on the proper installation of ventilation systems in non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 57**

| Do you agree with the proposed guidance for reducing noise nuisance for ventilation systems in non-domestic buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 58**

| Do you agree with the additional guidance provided in paragraphs 1.18 to 1.26 of the draft *Approved Document F, volume 2: buildings other than dwellings* on the installation of ventilation systems? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 59**

| Do you agree that the guidance in Appendix B of the draft *Approved Document F,* *volume 2: buildings other than dwellings* provides an appropriate basis for setting minimum ventilation standards? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 60**

| Do you agree with the list of industry guidance presented in Section 1 of draft *Approved* *Document F, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but additional guidance should be provided
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning and where relevant provide alternative suggestions for guidance. |

**Question 61**

| Do you agree with the list of references to industry guidance presented in Appendix C and Appendix D in the draft *Approved Document F, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No, the Government should amend the list of references
 |  |
| 1. No, for another reason
 |  |
| 1. Unsure
 |  |
| If you answered no (b or c), please explain your reasoning and provide alternative suggestions. |

**Question 62**

| Do you agree with the proposals to simplify, rationalise and clarify the Approved Document guidance in draft *Approved Document F, volume 2: buildings other than dwellings* as outlined in paragraph 4.3.7 of the consultation document? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 63**

| Do you agree with the guidance for the ventilation of car parks and offices, as detailed in Section 1 of draft *Approved Document F,* *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but some improvements can be made
 |  |
| 1. No, the guidance should be significantly changed
 |  |
| 1. Unsure
 |  |
| If you answered b or c, please explain your reasoning and provide alternative suggestions. Please note that the appropriate questions on measures to prevent the spread of infection are detailed in section 4.4 of this consultation document. |

**Question 64**

| Do you agree with the proposals in Section 3 of draft *Approved Document F,* *volume 2:* *buildings other than dwellings*, when replacing an existing window with no background ventilators? |
| --- |
| 1. Yes
 |  |
| 1. No, the standards do not go far enough
 |  |
| 1. No, the standards go too far
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 65**

| Do you agree with the proposal to provide a completed commissioning sheet to the building owner and associated guidance in Section 4 of draft *Approved Document F,* *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 66**

| Do you agree with the proposed standards for provision of ventilation for common spaces in offices, shown in paragraph 1.36 of draft *Approved Document F, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 67**

| Do you agree that extract ventilation in bathrooms, WCs, and other sanitary accommodation should be capable of operating in a continuous mode if necessary? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 68**

| Do you agree with the proposal for indoor air quality monitoring in offices as outlined in paragraphs 1.39 to 1.41 of draft *Approved Document F,* *volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but with qualifications
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered b or c, please explain your reasoning and provide any suggestions for guidance if applicable. |

**Question 69**

| If applicable, please provide any suggestions for guidance for indoor air quality monitoring (e.g. CO2 monitoring) in non-domestic buildings.  |
| --- |
|  |

**Question 70**

| Do you agree with the proposals for systems that recirculate air as outlined in paragraph 1.46 of draft *Approved Document F, volume 2: buildings other than dwellings*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 71**

| Do you agree with the proposed minimum ventilation standard and indoor air quality monitoring in occupiable rooms in all types of non-domestic buildings where singing, loud speech or aerobic exercise may take place, where low temperature and low humidity environments may exist, or where members of the public may gather in large groups? These are outlined in paragraphs 1.27 and 1.28 of draft *Approved Document F, volume 2: buildings other than dwellings.* |
| --- |
| 1. Yes
 |  |
| 1. Yes, with qualifications
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered b or c, please explain your reasoning and provide any suggestions for guidance if applicable. |

**Question 72**

| Do you think the mitigating measures to protect against infection via aerosols would be suitable for any non-domestic buildings other than those stated in the Approved Document guidance? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered yes, please explain your reasoning and provide evidence to support this. |

**Question 73**

| Do you agree with the extension of the scope to cover residential (institutional) and residential (other) buildings described in Table 0.1 in the draft Approved Document S? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but they should be expanded to include more building types and/or existing buildings
 |  |
| 1. No, they should only include flats and houses
 |  |
| 1. No, I disagree for another reason
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning. |

**Question 74**

| Do you agree with the proposed changes to the simplified method as outlined in Table 1.2 of draft *Overheating Approved Document*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning. |

**Question 75**

| Do you agree with the proposals to ensure noise is considered in new residential buildings when the overheating strategy is in use, and the proposed guidance in Section 2 of the draft *Overheating Approved Document*? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but with amendments to the guidance
 |  |
| 1. No, I do not agree with limiting noise when the overheating strategy is in use
 |  |
| 1. Unsure
 |  |
| If you answered b or c, please explain your reasoning and provide alternative suggestions.  |

**Question 76**

| Do you agree with minimising the ingress of external pollutants when the overheating strategy is in use, and that the external pollutants guidance in draft *Approved Document F, volume 1: dwellings* should be followed where practicable? |
| --- |
| 1. Yes
 |  |
| 1. Yes, but with amendments to the guidance
 |  |
| 1. No, I do not agree with minimising the ingress of external pollutants when the overheating strategy is in use
 |  |
| 1. Unsure
 |  |
| If you answered b or c, please explain your reasoning and provide alternative suggestions.  |

**Question 77**

| Do you agree with the proposals on security in Section 2 of the draft *Overheating* *Approved Document* in new residential buildings? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 78**

| Do you agree with the protection from falling guidance proposed in Section 3 of the draft *Overheating Approved Document*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 79**

| Do you consider the guidance on protection from falling proposed in Section 2 of the draft *Overheating Approved Document* should also include requirements to avoid over-stretching? (such a maximum distance between the inside face of the wall and the maximum position of the window handle?) |
| --- |
| 1. Yes – please also provide evidence/reasoning
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| If you answered no, please explain your reasoning and provide alternative suggestions. |

**Question 80**

| Are there any further issues which affect usability that should be included in the draft *Overheating Approved Document*? |
| --- |
| 1. Yes
 |  |
| 1. No
 |  |
| 1. Unsure
 |  |
| Please explain your reasoning and provide supporting evidence. |

**Question 81**

| Please provide any feedback you have on the impact assessment here, including the assumptions made and the assessment of the potential costs and benefits of the proposed options we have made. |
| --- |
|  |