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**Assumption Change Control Sheet**

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| **Test** | 5a, 5b. Dynamic DHW Test |
| **Assumption** | 33. Allowable dip in DHW temperature after reaching 45 °C |

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| Change Originator | Martin Crane |
| **Change Request No.** | 031 |
| Date of Request | 11/12/19 |
| Proposed Change to Assumption? | N |

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| Proposed Approach  Retain the allowable dip in DHW temperature at 42 °C. |
| Rationale (underlying basis for assumption)  The BESA HIU Test Standard Steering Group was keen to capture how quickly the HIU delivered useful DHW, as this is what the user is seeking, and the response time is what sets the HIU keep warm levels. To rapidly deliver DHW there is likely to be some overshoot, which is typically followed by an undershoot. This clause seeks to limit the undershoot to 42°C and therefore minimise any potential negative impact on residents. When analysing prior tests, all but one HIU maintained less than a 1°C drop post achieving 45 °C. |
| Impact of Change (e.g. implications for test rig)  N/A |

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| CHANGE EVALUATION | |
| Date Evaluated | 25/06/20 |
| Additional Information Required? | N |
| Modification to Proposed Approach? | N |
| Details | |
| Signed-off | Y |