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**Assumption Change Control Sheet**

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| **Test** | 2a/2b, 3a, 5a |
| **Assumption** | 27 / 28 Pass/Fail criteria for temperature and duration of DHW exceeding scalding limits |

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| Change Originator | Wayne Early |
| **Change Request No.** | 039 |
| Date of Request | 29/10/2020 |
| Proposed Change to Assumption? | **Y** |

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| Proposed Approach:  Reduce the maximum threshold from 65°C to 60°C, with a time limit of <1 second. Report on number of consecutive seconds >55°C. |
| Rationale (underlying basis for assumption)  At 65°C there is a significant risk of scalding, even from short term exposure – e.g. 3rd degree burns in 0.5 seconds for a child.  At 60°C this risk is reduced, but still significant if prolonged. As such, 60°C should be viewed as a hard limit. As there is still a risk of scalding at temperatures above 55°C, is it felt that this number should be reported, as design consultants should be provided this information and there should be a general pressure within the industry to get better control over DHW temperatures and reduce the risk of scalding – while balancing the fact that certain manufacturers may struggle to keep DHW temperatures below 55°C at this time. It is acknowledged that other DHW systems in the industry operate at higher temperatures. |
| Impact of Change (e.g. implications for test rig)  N/A |

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| CHANGE EVALUATION | |
| Date Evaluated | 29/10/20 |
| Additional Information Required? | **N** |
| Modification to Proposed Approach? | **N** |
| Details | |
| Signed-off | **Y** |