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**Assumption Change Control Sheet**

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| **Test** | 3a, 3b. Low domestic hot water flow rate |
| **Assumption** | 22. Domestic hot water flow rate |

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| Change Originator | Gareth Jones |
| **Change Request No.** | 034 |
| Date of Request | 20/09/2020 |
| Proposed Change to Assumption? | N |

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| Proposed Approach  The proposed approach is to retain 0.02 l/s as the flow rate for the low flow DHW test. |
| Rationale (underlying basis for assumption)  See Technical Note 011.  Rationale summary:   * This test was included in the Swedish F:103-7 test and has been in the test regime since the original SBRI funded test regime. * As part of the drive to water efficiency, there is a general trend in the direction of low flow outlets. * It should be reasonably expected by a resident that hot water would be able to be delivered when a WBH outlet is opened to 40-50% of full flow or lower rates during manual handwashing/rinsing (e.g. 20%). * Based on likely outlet flow rates and usage scenarios, the 0.02 l/s (1.2 l/min) flow rate currently used in the test would appear to be an appropriate flow rate for testing. * Most HIUs tested to date are able to deliver stable DHW at this rate and there are no technical barriers to doing so. |
| Impact of Change (e.g. implications for test rig)  N/A |

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| CHANGE EVALUATION | |
| Date Evaluated | 22/09/20 |
| Additional Information Required? | N |
| Modification to Proposed Approach? | N |
| Details | |
| Signed-off | Y |