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**Assumption Change Control Sheet**

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| **Test** | 1d, 1e, 1f. Space heating (low temperature) |
| **Assumption** | 16. Secondary return temperature |

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| Change Originator | Valeria Khnykina |
| **Change Request No.** | 029 |
| Date of Request | 09/04/20 |
| Proposed Change to Assumption? | N |

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| Proposed Approach  To retain current URH test temperatures of space heating flow temperature (t22) at 45 °C and space heating return temperature (t21) at 35 °C.  However, going forward, there is a preference for lower temperatures. |
| Rationale (underlying basis for assumption)  Specified test temperatures should be representing a “standard application”. In this case the current temperatures 45/35 °C can be applied to different UFH construction and floor surfaces, apart from some that require even higher operating temperatures (Floating floor and carpeted surfaces).  Achieving lower operating temperatures in the range of 40°C flow and 30°C degrees return is possible with screed floor and flooring surface with low thermal resistance; however, this limits the applicable system type which can affect the test suitability for existing typical conditions. |
| Impact of Change (e.g. implications for test rig)  N/A |

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| CHANGE EVALUATION | |
| Date Evaluated | 19/5/20 |
| Additional Information Required? | N |
| Modification to Proposed Approach? | N |
| Details | |
| Signed-off | Y |