



Assumption Change Control Sheet

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

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

Proposed Approach

To retain current URH test temperatures of space heating flow temperature (t_{22}) at 45 °C and space heating return temperature (t_{21}) 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

CHANGE EVALUATION

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