



Assumption Change Control Sheet

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

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

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

CHANGE EVALUATION

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

