



Assumption Change Control Sheet

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

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

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

CHANGE EVALUATION

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