



Assumption Change Control Sheet

Test	All High Temperature Tests
Assumption	7. High Temperature DH Flow Temperature

Change Originator	GJ
Change Request No.	006
Date of Request	17/12/2019
Proposed Change to Assumption?	N

Proposed Approach

Retain DH Flow Temperature of 70 °C for High Temperature regime.

Rationale (underlying basis for assumption)

In V1 of the test regime (prior to BESA adopting as a standard), the DH temperature was 75 °C, with a 70 °C / 40 °C regime for the space heating circuit. As part of the market consultation exercise conducted in 2016, there was feedback that:

- (a) There were concerns over having a 30 °C dT across the radiators, due to the low flow rates and difficulty with balancing radiators, with a push for a lower temperature; and
- (b) There was a suggestion to drop to 70 °C DH flow temperature, as this had become the industry default operating temperature.

On the basis of both this feedback and discussion within the Steering Group (which was principally made up of ESCO representatives at that time), it was agreed to reduce to 70 °C.

On review, the Technical Committee have concluded that 70 °C continues to be an appropriate temperature for the High Temperature regime as:

- (i) It is 10 °C above secondary flow temperature, with 10 °C seen as a practical commissionable forward approach temperature difference, that limits potential bypass due to DH primary being below secondary set point; and
- (ii) There continue to be a large number of networks operated at this temperature.

However, it is noted that these assumptions may need to be reviewed in light of building regulations, particularly if there is a maximum space heating circuit temperature imposed and/or if there is a change in the temperature regimes within CP1.

Impact of Change (e.g. implications for test rig)

N/A

CHANGE EVALUATION

Date Evaluated	17/12/2019
Additional Information Required?	N
Modification to Proposed Approach?	N
Details	
Signed-off	Y