SAP 10 Version history

Date	Version name	Description and changes relative to previous version
24-07-2018	SAP 10.0	First published version of SAP 10 (based on SAP 2016, but with changes made following the SAP 2016 consultation).
08-11-2019	SAP 10.1	Version referred to in Future Homes Standard consultation.
20-08-2021	SAP 10.2	- Results from low pressure pulse testing allowed for in the calculation of infiltration rate. - Appendix (Summer heat gain check) removed. - Efficiency of waste-water heat recovery made to vary with shower flow rate. - Option to add new heating control types via PCDB added. - Appendix C (heat networks) removed while changes consulted on. - Boiler efficiency controls/temperature adjustments updated (Tables D1, D2 and D3 and G1). - Appendix R (reference dwelling characteristics) updated to align with ADL1. - Fuel prices updated (Table 12).
15-12-2021	SAP 10.2	New heat network procedures added via updated Appendix C, following government consultation.
17-12-2021	SAP 10.2	Heat network fuel factors corrected.
03-02-2022	SAP 10.2	- Heat networks calculation corrected to properly account for the secondary fraction. - Second condition for top-up lighting requirement (equation L7) corrected (comparison was the wrong way round). - Open flues ventilation rate on the worksheet corrected from 35 back to 20 (this had been changed erroneously in the spec).
17-03-2022	SAP 10.2	- In Section 9.3.2, clarification on heat pump interpolation at different design flow temperatures provided. - In Section C3.1, a diagram was added showing input options for Heat networks in SAP 10. - In Section G1.2, FGHR energy saving with heat store (equation G2 and method) corrected (control factor was the wrong way round and the text implied multiplying savings by control factor twice). - In Table R1, the winter and summer boiler efficiencies now explicitly stated. - Title of Table 4d updated to include electric boilers and heat pumps.
21-04-2022	SAP 10.2	- Instruction added to section 2.3 requiring SAP software to limit the air permeability rate in naturally ventilated dwellings to not less than 3 m³/hr/m² at 50Pa, or the equivalent for a low-pressure test, when used for building regulations compliance assessments. - Clarified in Worksheet sections 12a, 12b, 13a and 13b the need to split into on/off peak fractions to before applying CO2/PE factors from Tables 12d and 12e.

11/04/2023	SAP 10.2	• Existing heat networks may now be assessed against either the standard notional building (new option) or versus the same heat network. • Correction of heat networks fuel prices in Table 12. • New distribution loss factor for two dwellings sharing a single heating system in Table 12c.