

ELECTRICAL APPARATUS FOR EXPLOSIVE GAS ATMOSPHERES –

Part 0: General requirements

INTERPRETATION SHEET

This interpretation sheet has been prepared by committee 31: Equipment for explosive atmospheres, of the IEC.

The text of this interpretation sheet is based on the following documents:

ISH	Report on voting
31/767/ISH	31/778/RVD

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

Subclauses 26.8 and 26.9 of IEC 60079-0 (2004)

Following the discussions by the TC 31/WG 22 Task Group addressing the repeatability of the thermal endurance to heat and thermal endurance to cold tests it was proposed that a tolerance be clarified for the test periods in Edition 6, 31/743/DC was issued and comments received and resolved as 31/751A/INF.

These interpretations are made available for edition 4 of this standard due to the current use of that standard by manufacturers, conformity assessment schemes and national bodies by means of this "Interpretation Sheet" as follows:

Details of interpretation:

Interpretation of subclause 26.8 Thermal endurance to heat and 26.9 Thermal endurance to cold of IEC 60079-0 (2004)

Question: As it is unreasonable to consider them to be the exact test time, are the time frames for the 24 h, 336 h (2 weeks) or 672 h (4 weeks) tests considered to be the minimum times? If so, what is the maximum time?

Interpretation: The 24 h, 336 h and 672 h values are considered the minimum number of hours for each of the tests. It is practical that the time periods should not extend beyond 24^{+2}_0 h, 336^{+30}_0 h, 672^{+30}_0 h.

It is intended that this interpretation will be introduced in IEC 60079-0 Edition 6 and therefore an Interpretation Sheet will not be required for this or future editions.