

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 60079-11
Edition 6.0 2011-06

EXPLOSIVE ATMOSPHERES –

Part 11: Equipment protection by intrinsic safety "i"

INTERPRETATION SHEET 7

This interpretation sheet has been prepared by subcommittee 31G: Intrinsically-safe apparatus, of IEC technical committee 31: Equipment for explosive atmospheres.

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

DISH	Report on voting
31G/394/DISH	31G/399/RVDISH

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.

IEC 60079-11:2011 (Edition 6.0)

Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i"

Background

5.6.1 of IEC 60079-11:2011 states, in part:

"All surfaces of components, enclosures, wiring and the tracks on printed circuit boards which may come in contact with explosive atmospheres shall be assessed and/or tested for the maximum temperature."

Question (Ed 6.0)

Is the "surface of a component", as referenced in 5.6.1 for thermal ignition compliance, intended to mean the junction temperature of a sealed semiconductor?