

Fire formal interpretations

26 July 2017

FI-127

NZS 4512:2010 *Fire detection and Alarm Systems in Buildings* – Clause 212.6(b)

Question:

212.6(b) specifies the test that a system needs to perform to check that the battery still has adequate capacity to power the system.

Would a system that complies with EN 54-4:1997 including Amendments 1 & 2 (in particular, clause 5.4c and Annex A which require a fault signal to be given within 4 hours of the occurrence of a high internal resistance of the battery) be acceptable as an alternative technology (per NZS 4512 clause 101.4)?

Interpretation issued by the Alarms and detection group:

No.

The EN 54-4 clause 5.4c/Annex A internal resistance test is considered to be significantly less stringent than NZS 4512 requirements.

In general, EN 54-4 section 5.4 requirements are significantly different to NZS 4512 requirements, and are not considered to be equivalent.