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To: All NACOSS Gold and Systems Silver approved companies and applicants

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Amendment 1 to EN 50136-2:2013

EN 50136-2:2013 has recently been amended and is now EN 50136-2:2013+A1:2023. The Corrigendum dated 30th November 2023 includes a transition period where both standards will be current until 13th February 2026 when the pre-amendment edition will be withdrawn.

The amended standard is available from the BSI or NSI through the Standards on Subscription service for approved companies.

This Technical Bulletin (0064 rev.1) outlines the changes within EN 50136-2:2013+A1:2023

Text colour scheme within this document

Descriptions of new or amended sections of the code of practice are given in italics and the following colour scheme is used to denote which are new and which are amended:

Where descriptions denote new Clauses, these are represented by Green italics.

Where descriptions denote amended Clauses, these are represented by Blue italics.

Please also note that this Technical Bulletin is not a definitive list of all the differences between EN 50136-2:2013 and EN 50136-2:2013+A1:2023 and works as a summary of the significant changes.

Details of the changes

Amendment 1 including Corrigendum to EN 50136-2:2013 introduces several modifications to enhance accuracy and align with current technological standards.

National Forword: *This British Standard is the UK implementation of EN 50136-2:2013+A1:2023. It supersedes BS EN 50136-2:2013, which will be withdrawn on 13th February 2026.*

SPT Classification (4.2): *Clarifies that when the SPT is used with alarm systems, conflicting requirements defer to the most demanding ones.*

ATS Fault Reporting (5.6): *Specifies reporting times for ATS failures, emphasising adherence to EN 50136-1:2012 Table 5, and mandates manufacturers to define the process for reporting ATS faults to the Alarm System (AS).*

Interface Standardisation (5.7): *Introduces two standard interfaces in Annex A to ensure compatibility among different manufacturers' equipment.*

Network Interface Monitoring (5.8): *Adds wording to clarify fault reporting and how this is to be achieved, while noting it's not mandatory, it emphasising its usefulness in determining and analysing ATP failures.*

Event Logging (5.10): *Requires non-volatile means for recording events, outlining conditions for event log memory sharing, and addressing shared memory requirements when the SPT and AS are integrated into a single device.*

Event recording Classification-Events to be recorded (Table 1): *When the SPT and the AS are integrated into a single device, they are allowed to share the same internal memory. However, this allowance is contingent upon meeting the minimum logging requirements for both the SPT and AS, ensuring that essential data is retained for each component.*

Mode of Operation (6.1): *Introduces a new clause outlining the SPT's response when receiving an alarm, emphasising securing the alarm in non-volatile memory during power or ATS failures.*

ATS Performance Verification (6.5): *Mandates manufacturers to describe, in documentation, methods for verifying performance measures related to transmission time, reporting time, and ATS availability.*

SPT Documentation (7.1): *Requires documentation to include a description of tests verifying compliance with ATS performance measures specified in EN 50136-1:2012 Tables 2, 3 and 6.*

General Testing Requirements (9.1): *Specifies the need for a fully functional test setup, with additional details on the provision of stimulating equipment and networks for testing reproducibility.*

Summary of Functional Tests (Table 4): *Introduces a new table summarising functional tests from Clause 9.4.2 through 9.4.18.*

Object of the Test (9.4.2.1): *Changes the wording to emphasise that the objective of the test is to demonstrate the SPT's ability to comply with Clause 5.2 by providing up to four levels of access and verifying relevant access to functions and controls.*

Test of Upload and Download of Software and Firmware (Table 6): *Outlines a five-step process including test conditions, procedures, measurements, and pass criteria for evaluating the upload and download functionality of software and firmware.*

Principle (Network Interface Test) (9.4.5.2): *Adds additional wording to discourage the use of a simple removal of an Ethernet cable or antenna as a suitable test, highlighting the need for manufacturers to specify proper test procedures in the documentation.*

Test of Standardised Parallel Interface to the AS (Table 11): *Changes wording to outline five steps specifying test requirements for the standardised parallel interface to the AS, including conditions, procedures, measurements, and pass criteria.*

ATS Failure Detection (9.4.9): *Adds a new clause requiring the SPT to detect ATP failure when transmission network interfaces fail, outlining test conditions, procedures, and pass criteria in Table 13.*

Operation Test (9.4.14): *Introduces a new clause and associated test table (Table 17) to verify the SPT's compliance with operation requirements under various ATS conditions.*

ATS Performance Verification (9.4.19): *Adds a new clause specifying the object of the test and outlining a three-step process in Table 19 for verifying the means of ATS performance.*

Annex A: Additional Interface Specifications:

A.1.3.1 General: *All outputs shall be either a potential free contact or an open collector. Where an open collector output is provided, the output shall be able to sync at least 20 mA*

A.1.3.2 ATS Fault: *Subclause details the performance of the interface between the AS & SPT under certain conditions.*