Marking table for NCP 120 & PD 6662:2017 applying European & British standards for intruder and hold-up alarm systems (I&HAS) for preventative maintenance

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NSI applies this marking table to NACOSS Gold and Systems Silver-approved companies when inspecting Intruder and Hold-Up Alarm Systems (I&HAS) being maintained to standards called up by PD 6662:2017.

De-merit marks (points) are given in relation to NCP120, BS 9263:2016, PD 6662:2017, the BS EN 50131 series, DD CLC/TS 50131-7:2010, BS 8243 and BS 8473

Notes may also be raised on NSI Inspection Reports in relation to PD 6662: 2017, and/or the standards called up by PD 6662, for which no specific reference has been made in this marking table.

We draw your attention to NSI Code of Practice NCP120 Supplementary Code of Practice for the Planning, Installation, Commissioning and Maintenance of Intruder Alarms.

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Marking table for PD 6662:2017 / BS 8243:2021 / NCP 120 intruder and hold-up alarm system preventative maintenance

This marking table is divided into Sections A to E as listed below.

Item	Title
A	Maintenance record & agreement
B	Testing & detection (inc. tamper)
C	Equipment positioning & visual inspection
D	Control and Indicating equipment Including power supplies
E	Setting and unsetting

Notes

1. Each section of this marking table contains one or more deviations (see pages 3 to 5).
2. Each deviation is given a clause reference (e.g. BS EN 50131-1/17: 4), a code (e.g. B1A) and a point (e.g. 2 points).
3. NSI inspection reports detail deviations by clause, code, description, and points.

   Example: BS EN 50131-1/17:4 B1A I&HAS does not have mandatory functions for detection, triggering, processing, notification, or means to operate. 2 points.
4. Points are awarded for each individual deviation except that the maximum number of points awarded in relation to Section A (Documentation) is 1 point.
5. The total number of points awarded results in a grading (A to E). A = 0 points, B = 1-2 points, C = 3-5 points, D = 6-8 points and E = 9 points or more. The I&HAS will normally require a re-inspection if Grade D or E is achieved.

Clause	Code	Deviation	Points
A. Maintenance record & Agreement			
NCP120 Clause 6.1.12	A01	Where any of the tests and checks listed in Clause 6 have not been completed, are they recorded and agreed upon by the client?	1
NCP 120 Clause 9	A02	Has the engineer completed the maintenance documentation and records in accordance with the NCP120 code of practice?	1
TS 50131-7:2010 Clause 13	A03	Is the name and telephone number of the maintenance and repair organisation, as well as the alarm company, prominently displayed at the location of the CIE or ACE?	1
TS 50131-7:2010 Clause 13.2.1	A04	Have all activities for maintenance or repair, including testing, been recorded in the system record, i.e., logbook?	1
BS 8243:2021 Clause 5.3.1	A05	Have service personnel liaised with the end user or client before starting any maintenance procedures that would enable audio to be listened to either locally or remotely?	1
BS 8243:2021 Clause 5.3.1	A06	Have service personnel liaised with the end user or client before starting any maintenance procedures that would enable images to be viewed either locally or remotely?	1
B. Testing & Detection (Inc Tamper)			
BS 9263:2016 Annex B2 (F) & NCP120 Clause 6.1.2	B01	Has the engineer checked the correct functioning of detectors, door contacts, and hold-up devices for performance and sensitivity as stipulated in the specification?	1
NCP120 clause 6.1.8	B02	Has the engineer tested the operation of detection and hold-up devices, with at least one being tested through to the ARC (if applicable) in the armed state?	1
TS 50131-7:2010 Annex (J)	B03	Has the equipment been maintained in accordance with the manufacturer's recommendations?	1
BS 9263:2016 Annex B2 (B)	B04	Has the engineer checked the operation of a tamper for reporting to the CIE?	1

Clause	Code	Deviation	Points
BS 9263:2016 Annex B2 (H) & NCP120 Clause 6.1.3	B05	Where applicable, has the engineer checked the correct operation of the warning devices, including the removal of hold-off voltage, trigger circuit, operation of warning device tamper circuits, and alternate power sources of all warning devices?	1
NCP 120 Clause 6.1.5	B06	Where the system is connected to an ARC, have all the required signals been sent and received by the ARC by generating them from the relevant function? For example, a personal attack signal should be generated by operating a hold-up device.	1
C. Equipment positioning & Visual inspection			
BS 9263:2016 Annex B2 (A) & NCP 120 Clause 6.1.1	C01	Has the engineer ensured that the installed system meets the as-fitted document or the minimum list of devices and their locations?	1
BS 9263:2016 Annex B2 (G)	C02	Has the engineer checked the premises for adverse environmental effects?	1
BS 9263:2016 Annex B2 (J)	C03	Has the engineer undertaken a visual inspection of the premises and the system for potential electrical and physical changes or problems?	1
D. Control and Indicating Equipment Including power supplies			
BS 9263:2016 Annex B2 & NCP120 Clause 6.1.7	D01	Has the engineer checked the operation of the power supplies, including the capacity of alternative supplies?	1
TS 50131-7:2010 Clause Annex H.21 ii	D02	Has the control and indicating equipment been installed within the supervised premises, and does it have easy access for maintenance?	1
BS EN 50131-1/17 - 8.10	D03	Is the time and date correct within 10 minutes to ensure that the timing of events is not inaccurate by more than +/- 10 minutes?	1
E. Setting and Unsetting			
BS 9263:2016 Annex B2 (c)	E01	Has the engineer checked the correct operation of the setting and unsetting procedures, including transitory set indications?	1

Clause	Code	Deviation	Points
BS 9263:2016 Annex B2 (d)	E02	Has the engineer checked the correct operation of the entry and exit procedures, i.e., does the customer still use the system as per the original design?	1
NCP 120 Clause 6.1.6	E03	Has the engineer checked that the exit timer indication can be heard or seen throughout the exit route and at the location where the final setting takes place?	1
PD6662:2017 Annex A.5.1 & BS8243:2021 Clause 6.3.2	E04	If using a remote setting device/app for setting/unsetting, ensure the entry/exit tones are audible throughout the premises, and the setting period is not less than 30 seconds or more than 60 seconds (Note: only applicable to BS8243 compliant systems).	1