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systems
DD245 to BS 8473
guide

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Summary of the Changes Between BS8473 and DD245:2002

Introduction

There has been a total overhaul of DD 245 to take account of the introduction of the European Standards and the new requirements of the Association of Chief Police Officers (ACPO)/Association of Chief Police Officers in Scotland (ACPOS) policies. DD 245 is also being upgraded to a British Standard and has been given the designation of BS8473:2006 Intruder and hold up alarm systems – Management of false alarms – Code of practice.

BS8473:2006 will replace DD245 on 31st March 2007.

Key to table

The summary has been undertaken on a clause-by-clause basis where there are changes or additional clauses added to BS 8473. This will give an easy reference to those reading this guide.

New: Denotes an additional clause in BS8473.

DD245 Clause ref	BS8473 Clause ref	Content change detail
		Title BS8473:2006 Intruder and hold up alarm systems – Management of false alarms – Code of practice.
		Foreword The foreword makes reference to the document becoming a British Standard as prepared under the authority of GW/1 Technical Committee. It is no longer a provisional DD (Draft for Development).
1	1	**Scope** Makes reference to management of Intruder and Holdup Alarm Systems (I&HASs) with particular regard to noise nuisance and waste of resource to false activations.
2	2	**Normative references** References are revised to show current applicable standards. Old British Standards have been removed.
3	3	**Terms and definitions** General note: The terms used have been amended to take account of definitions in the EN 50131 series of standards i.e. I&HASs to replace intruder alarm systems.
NEW	3.5	**Alarm Receiving Centre (ARC) related false alarm** - This definition has been added to attribute fault, failure, error or omissions on the part of ARCs (examples given in Annex C of the BS 8473 document).

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3.11	3.8	**False alarm** - Definition has removed examples of what constitutes a genuine alarm and stated that a false alarm is a "policed alarm condition other than a genuine alarm".
3.12	3.10	**Genuine alarm** - Wording removed from false alarm definition in DD245 has been added to this definition to now give examples of what constitutes a policed alarm condition.
NEW	3.12	**Operator** - Introduces the use of an authorised individual using an I&HAS for its intended purpose.
NEW	3.17	**Restore** - Defines the result in restoring the I&HAS to a previous condition (previously known as "reset").
4.	4.	System design Reference has been made to system design guidance required from documents such as DD243 and EN50131-7.
5. NEW	5. 5.1	Administration General The appointed person with responsibility for performance of I&HAS systems is now called a Systems Performance Manager (SPM).
Annex E	5.2	Under functional responsibilities of the SPM, the difference between a "Chief Systems Officer" and "Regional Systems Operative" are one and the same, in as much as they have corresponding responsibility should the size of a company dictate the need for more than one person. The functional responsibilities of the SPM have been removed from the "Annex" of the old document and now are part of the main body text under this heading. A note is made to reference the preferred method of un-setting under DD243 as being Option 6.4.2 and 6.4.3 to minimise the likelihood of false alarms.
5 Note 2	5.3	The checklist of points for preventing false alarms now includes a further Appendix "E" specific to hold up alarms. Both Appendix D and E are to be passed onto the client to aid in the prevention of operator related false alarms.

DD245 Clause ref	BS8473 Clause ref	Content change detail
6. 6.2	6. 6.2	**Documentation (and training)** The example corrective maintenance report, form Annex F, has been updated to include types of notification in line with EN standards and a further cause of activation covering ARC error.
Annex H	Annex G	Annex G, covering recommendations for recording of remotely notified alarm conditions, has been modified to include ARC related alarms. All line fault related issues are now categorised under transmission path fault related alarm.
Annex H Fig H.1	Annex G Fig G.1	The monthly report flowchart has an additional cause category of unconfirmed alarms.
NEW	6.3.C & Annex G/G.4	Annex G4 and 6.3c now calls for a further sub division of cause category to include recording unconfirmed alarms.
NEW	Annex G/Fig G.2	Annex G Figure G.2 – A model form for recording remotely signalled/notified alarm conditions has been added to assist in the collation of activations. Some key features of this form are listed below: • Separation of DD243/non DD243 activations. • Addition of ARC related false activations. • Clarification on the analysis of activations being taken against the total number of remote signalling systems.
7.	7.	**Statistics relating to remotely notified I&HASs** No change.
8. Para 2 & 10.13	8. Para 2	**False alarm management procedure** The documented process for monitoring false alarms now includes the requirement to identify and escalate to management: • One false alarm and/or • More than three unconfirmed and/or false alerts in a rolling 30-day period.
Note 1 & Annex J	Note 1 & Annex H	The "action to be taken following attendance" tables have been removed and are now covered in Annex H of this standard providing more depth on the following: • What the engineer needs to check on site and the action to take to stop recurrence. • Potential for changing the DD243 unset method if recurring client error occurs. The escalation process identified calls for more proactive management rather than just repeat visits.
9.	9.	**Diagnosis of false alarms** No change.

DD245 Clause ref	BS8473 Clause ref	Content change detail
10. 10.1	10. Notes 1, 2 & 3	**Restoring of remote notification I&HASs capable of policed alarm conditions** This clause takes account of EN 50131 Standards with regard to restoring of I&HASs. It also references BS4737-1:1986 5.5 as in DD245.
10.17	Removed	The model flowchart for the restoring of remote notification systems has been removed from BS8473.
NEW	10.1	The configuration of the I&HAS conforming to DD243:2002 and onwards should remove the facility for the client/owner/operator to restore an I&HAS following a sequentially confirmed alarm has occurred.
NEW	10.1	I&HASs that pre-date DD243:2002 should be configured so that the client/owner/operator is unable to restore the I&HAS following an intruder alarm condition.
NEW	10.1	I&HAS systems conforming to PD6662:2004 Grade 3 & 4; a tamper condition should not be restored by the client/owner/operator.
10.6/Note	10.3	Clearly outlines the need to prohibit the operator from knowing engineer alarm codes used for maintenance and testing purposes.
10.2	10.7	Inter-relationship between the RMC and the ARC now has its own heading to explain the relationship between the two entities (where the ARC does not carry out both operations).
10.13	10.7	A restore should now be denied if more than one policed activation has been recorded in the past twelve months.
10.13	10.7	A restore may be provided for a genuine alarm only if the RMC advises that insurance may become invalidated if a service technician's visit does not take place and the I&HAS is subsequently found not to be in full working order.
NEW	10.7	The attending engineer should educate the operator where operator error is identified. If design faults are noted, then this should be reported to the SPM of the I&HAS company.
10.15 b2	10.9 b2	The restoring of false alerts remotely by the RMC now calls for a cancellation time of 120 seconds (for filtering purposes) as opposed to 90 seconds referred to in DD245.

DD245 Clause ref	BS8473 Clause ref	Content change detail
Annex A NEW	Annex A A.4	**Annex A (Informative) Typical steps in the transmission and filtering of alarm conditions** Filtering delay need not apply to systems using the unsetting method 6.4.2 of DD243:2004.
Annex B Fig b.1	Annex B Fig b.1 & 10.2	Annex B (Informative) Progress of an alarm condition An additional flow chart is included to show progress of an alarm condition for systems capable and not capable of generating confirmed alarms.
Annex C NEW NEW	Annex C C.1.4 C3	Annex C (Informative) Examples of false alarms A new cause of procedural failure is introduced which covers false alarms resulting from failure to put a I&HAS on test when carrying out maintenance or repair. A new cause covering ARC related false alarms is introduced covering several possible causes under this heading.
Annex D	8.Note 2	Guidelines for designing to minimise false alarms has been removed from BS8473.
Annex E	5.2	Functions of the SPM have been removed from Annex E and appear in clause 5.2 of BS8473
Annex F	Annex D	Annex D (Informative) Preventing false alarms: points to remember The checklist of points for preventing false alarms has one addition to notify the client in the event of a mains failure for periods more than four hours.
NEW	Annex E	Annex E (Informative) Hold up alarms This Annex provides guidance to clients and operators specifically on prevention of false alarms on hold up alarm systems.
Annex G	Annex F	Annex F (Informative) Corrective maintenance report form The example Corrective maintenance report form Annex F has been updated to include types of notification in line with EN standards and a further cause of activation covering ARC error.
Annex H	Annex G	Annex G (Informative) Recommendations for recording of remotely notified alarm conditions Annex G covering recommendations for recording of remotely notified alarm conditions has been modified to include ARC related alarms and all line fault related issues are now categorised under transmission path fault related alarm.

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Annex H Fig H.1	Annex G Fig G.1	The monthly report flowchart has an additional cause category of unconfirmed alarms.
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NEW	Annex G/ Figure G.2	Annex G Figure G.2 – A model form for recording remotely signalled/notified alarm conditions has been added to assist in the collation of activations. Some key features of this form are listed below; • Separation of DD243/non DD243 activations. • Addition of ARC related false activations. • Clarification on the analysis of activations being taken against the total number of remote signalling systems.
Annex J	Annex H	**Annex H (Informative) Attendance on false alarms** The "action to be taken following attendance" tables have been removed and are now covered in Annex H of this standard providing more depth on the following; • What the engineer needs to check on site and action to take to stop recurrence. • Potential for changing the DD243 unset method if recurring client error. The escalation process identified calls for more proactive management rather than just repeat visits.
Annex K	Deleted	**Annex K (Informative) Resetting of remote signalling systems** Annex K from DD245; model flowchart for restoring of remote signalling systems has been removed from BS8473.