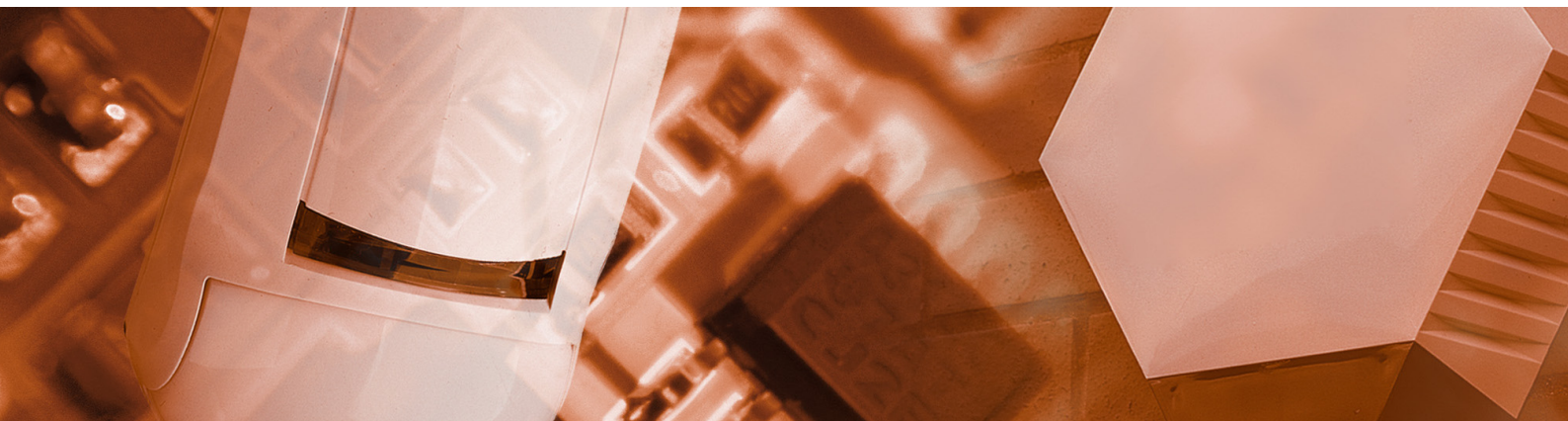


summary of changes between 2003 & 2008 versions of
DD CLC/TS 50131-7
– a guide



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SUMMARY OF THE CHANGES BETWEEN THE 2003 & 2008 VERSIONS OF DD CLC/TS 50131-7

Alarm systems – Intrusion and hold-up alarm systems Part 7: Application Guidelines

Introduction

Technical Specification DD CLC/TS 50131-7, the application guidelines for intruder and hold-up alarm systems, has been updated and reissued. The new version is dated 2008. This replaces the 2003 version. The fundamental reason for the changes are to introduce recommendations related to hold-up alarm systems. This update has occurred at the same time as the publication of a number of new or revised standards. Some changes have been made to many of these documents, including DD CLC/TS50131-7, to harmonize their requirements and recommendations with each other.

The system requirements standard for intrusion and hold-up alarm systems, EN 50131-1, has also been updated and DD CLC/TS50131-7 now refers to the 2006 version. Text changes that are simply because of this reference change are not listed below.

DD CLC/TS 50131-7: 2008 will replace the 2003 version when it is published in Spring 2010 but the use of the earlier version will continue for systems installed to PD6662: 2004 scheme. For a two-year period (ending in May 2012) systems may be installed under either the 2004 or 2010 version of PD 6662. For systems installed under PD6662: 2010 the 2008 version of TS 50131-7 must be used.

I&HAS, IAS and HAS

With the inclusion of hold-up alarm systems (HAS) the technical specification (TS) now has recommendations for intruder alarm systems (IAS) and HAS. In some places the recommendations are specific to either IAS or HAS but in the majority of cases the recommendations are the same and the abbreviation I&HAS is used. If the system to which the application guideline is to be applied is to be used only for intrusion detection or only hold-up then recommendations related to those applications in parts stating "I&HAS" are to be followed.

This change guide does not indicate places where the abbreviation IAS has been changed to I&HAS.

In conjunction with the addition of hold-up alarms, the term "robber" is now used in addition to "intruder". Unlike intrusion, robbery includes actual or threatened force against somebody to obtain his or her property.

Key to table:

The summary has been undertaken in a clause-by-clause basis where there are changes. This will give an easy reference to those reading this guideline.

Changes caused only by the renumbering of sections (e.g. cross reference details) are not shown below.

2003 version	2008 version	Content change detail
		<p>National Foreword</p> <p>The National Foreword gives some information specific to the UK. The reference to qualifications in clause 6.5 that was in the 2003 version has been retained. There is now also reference to a statement in PD 6662 saying that when used under the PD 6662 scheme the final item of list B.6 (“Psychological problems of persons after robbery”) can be disregarded.</p>
		<p>Introduction</p> <p>The inclusion of hold-up alarm systems has resulted in a change of wording. Additionally the note, which merely directed readers to clause 12, has been removed.</p> <p>In the third paragraph the list of activities forming “installation” has been described in greater detail (i.e. installation planning, system installation, commissioning). This highlights that it may not be the same person performing all of these tasks.</p> <p>In the description of Clause 11 the phrase “temporary disconnections” has been replaced by “temporary fault conditions”.</p>

2003 version	2008 version	Content change detail
1	1	<p>Scope</p> <p>The recommendations now include hold-up alarms and the possibility of separate IAS and HAS is described (see I&HAS, IAS and HAS, above).</p>
2	2	<p>Normative References</p> <p>The list of documents referred to within the TS has been updated.</p>
3	3	<p>Definitions and Abbreviations</p> <p>3.1.1 n/a The definition of Active Detector has been deleted.</p> <p>3.1.18 3.1.17 Entry/Exit Point – This term was previously “final exit point”. The definition is unchanged.</p> <p>NEW 3.1.18 Hold-up alarm system – New definition (identical to EN50131-1: 2006) added.</p> <p>NEW 3.1.19 Hold-up device – New definition (identical to EN50131-1: 2006) added</p> <p>NEW 3.1.20 Hold-up alarm condition – New definition (identical to EN50131-1: 2006) added</p> <p>NEW 3.1.21 Inhibit – New definition (identical to EN50131-1: 2006) added</p> <p>3.1.25 n/a The definition of Non-Active Detector has been deleted.</p> <p>3.1.29 3.1.31 Operational Mode – The word “system”, previously missing by error, has been added so it refers to the state of the “alarm system”.</p> <p>NEW 3.1.32 Part set – New definition added. It is similar to EN50131-1: 2006 but does not include hold-up alarm conditions.</p> <p>3.1.36 3.1.39 Supervised Premises – The undefined term “hazard” has been replaced by “intrusion, attempted intrusion or the triggering of a hold-up device”.</p> <p>NEW 3.1.40 Supervised Premises Transceiver – This term, abbreviated to SPT, describes the communication equipment that is in the supervised premises and transmits alarm signals via a network to one or more ARC. This new term was added to EN 50131-1: 2006 when it was amended in 2009.</p> <p>3.1.38 3.1.42 System Record – The definition has changed. It no longer includes “alarm conditions” but does include “maintenance” and “repair”.</p> <p>3.1.42 3.1.46 Tamper protection – A note has been added to direct readers to the requirements in EN 50131-1: 2006.</p> <p>3.1.48 3.1.52 Warning Device – The definition now clarifies that the equipment is for audible alarms. A note has been added to include the use of warning devices for alert indications.</p>

2003 version	2008 version	Content change detail
3.1.49	3.1.53	Wire-free Interconnection – The sentence about “two or more applications” has been deleted.
3.1.50	3.1.54	Zone – The definition has been changed. “Abnormal conditions” has been replaced by a phrase clarifying this to be “intrusion, attempted intrusion or the triggering of a hold-up device”.
3.2	3.2	<p>Abbreviations Abbreviations have been added for:</p> <p>APS – Alternative Power Source (typically a battery) HAS – Hold-up Alarm System I&HAS – Intrusion and hold-up alarm system PIR – Passive Infra-red SPT – Supervised Premises Transceiver (see above). SPT effectively replaces ATE the abbreviation for which has been removed.</p>
4	4	<p>Security Grading</p> <p>To bring the TS in line with other standards in the 50131 series the word “security” has been added before “grading”.</p> <p>The extension of the TS to cover hold-up alarms is reflected in slightly modified wording and the addition of a note.</p> <p>For grade 4 it is now assumed that an intruder or robber might substitute all components, not just “vital components”.</p>
5	5	<p>Environmental Classification</p> <p>The details here are not significantly changed but the text and formatting has been altered. A note clarifies that higher class equipment may be used in lower classified environments. A second note refers to differing requirements in Scandinavia.</p>
6	6	<p>General</p> <p>The old and self-evident example (“electrical safety”) has been removed from the clause describing “safety”.</p>
6.2	6.2	
6.5	6.5	Qualifications – the previous “installation” has been split into “installation planning” and “system installation”. The note regarding qualifications remains – refer to the National Foreword.
NEW	6.6	Competence – A recommendation has been added that persons responsible for the actions detailed in the TS have the necessary training and experience. The 2003 version had similar recommendations (old clause 9.1) but limited to those carrying out the installation.

2003 version	2008 version	Content change detail
NEW	6.7	Tools – A recommendation has been added that persons responsible for the actions detailed in the TS have the necessary tools and test equipment. Again the 2003 version had similar recommendations (old clause 9.1) but limited to those carrying out the installation.
7	7	System Design The 2008 TS additionally recommends the selection of “appropriate functionality/performance criteria”. This means that the functions should match the requirements of the EN 50131 standards, as should the performance where this varies by grade.
7.1.2	7.1.2	In accordance with the addition of HAS recommendations the “robbery history” is now included in design factors to be considered.
7.1.3	7.1.3, 7.1.4	The Minimum Supervision Levels clause is now split in two. 7.1.3 for IAS and 7.1.4 for HAS.
7.3.1	7.3.1	An additional paragraph describes how components that do not have applicable standards can be used without affecting the grade. (see also PD 6662: 2010 clause 4.2)
7.3.2.1	7.3.2.1	Siting of CIE and ACE now describes how ACE may be located outside the supervised premises.
NEW	7.3.2.4	A new clause has been added for Siting of hold-up devices .
7.3.2.4	7.3.2.5	It has now been recognised that it may be better to not sound a warning device in the event of a hold-up alarm.
7.3.3.1	7.3.3.1	The word “suitable” has been added before “tamper protection”. The old fourth paragraph, recommending mechanical protection for cables that may be subject to accidental damage, has been deleted. The recommendation was duplicated in the following paragraph.
7.3.4.1	7.3.4.1	Setting – A new recommendation has been added with regard to the need to ensure that the CIE is aware of the action needed to cause completion of setting when that is performed from outside the supervised premises. For improvement of understanding the word “initiated” has been replaced by “started”.
7.3.4.2	7.3.4.2	Unsetting – The word “appropriate” has been removed from before “ACE”. The new “entry/exit point” term is used in place of “final exit point”. The word “initiated” has been replaced by “started”. A new note draws attention to the 45 second maximum unsetting period described in EN 50131-1: 2006.

2003 version	2008 version	Content change detail
7.3.5	7.3.5	Entry and Exit Routes – There is a slight modification to the terminology of “entry/exit” route and point.
7.3.6	7.3.6	Indication – The last two paragraphs have been reworded using the terminology of EN 50131-1: 2006. The need to be able to identify the individual detector (if they have processing capability) or group of detectors (if they do not) is described.
7.3.7	7.3.7	Grouping of Detectors – The individual identification is now referred to in this clause.
7.3.8.1	7.3.8.1	Warning devices – The first line of the second paragraph has been deleted. This means that it is now always recommended to enable the sounds of the WD to be differentiated from other alarm systems.
7.3.8.2	7.3.8.2	ATS – Use is now made of the abbreviation and term “SPT”. Additionally it is now recommended that it is ensured that the ARC can process all signals correctly rather than simply accept them.
7.3.9	7.3.9	Power Supplies – The word “supplies” is now included in the title. The power supply should now be adequate to power the whole system including when recharging the APS (i.e. battery). It is now clarified that the standby periods are defined in EN 50131-1: 2006. There are now recommendations for the measurement of electrical load in non-alarm and alarm conditions, changes to the consideration of warning device power consumption and also the reduction in capacity as batteries age.
7.3.10	7.3.10	Response to I&HAS – It is now stated that the planned response to activation of the I&HAS must be agreed between the parties and documented.
8 8.1.4	8 8.1.4	Installation Planning A survey performed after the system design proposal but before installation is called the “Technical Survey” (see Annex K). This term is now used in 8.1.4 in preference to the older “pre-installation survey”. In example 2 the words “if any” now apply to “WD delay” instead of “[WD] duration”.
9 9.1	9 n/a	System Installation Clause 9.1, Competence, has been removed and reference to Competence and appropriate tools has been moved to 6.6 and 6.7

2003 version	2008 version	Content change detail
10	10	Inspection, functional testing and commissioning
10.1	10.1	It is now clarified that the deviations to be recorded are compared to the system design proposal.
10.2	10.2	The term SPT has replaced ATE.
10.4	10.4	The full demonstration of the alarm system should include any hold-up triggering devices.
11	11	Documentation and records
11.1	11.1	The standard for documentation referenced is now EN 61082-1. The list of points is now numbered. The documentation list no longer includes a recommendation for instructions for maintenance and repair of the IAS.
11.2	11.2	The "log book" is now called a "system record" (with "log book" in brackets as a reminder).
12	12	Operation of I&HAS
		The old iii), containing a recommendation to regularly test the IAS, has been deleted.
13	13	Maintenance and Repair of I&HAS
13.2.1	13.2.1	There is now a recommendation to inform the user of the I&HAS as to which parts of the system will be inoperable during maintenance. The "log book" is now called a "system record" (with "log book" in brackets as a reminder).
13.2.2	13.2.2	There is a new recommendation to be cautious when testing hold-up devices because of the risk of false alarms.
13.4	n/a	The clause recommending the holding of spares on site for large systems has been deleted.
NEW	Annex A	Special National Conditions
		This annex includes the differing environmental requirements applicable to Scandinavian countries.
Annex A	Annex B	System design – Location survey – Contents
		General: The survey now includes items related to hold-up such as: Danger of robbery, methods of robbery, danger to persons and psychological problems.

2003 version	2008 version	Content change detail
Annex B	Annex C	<p>System design – Location survey – Building</p> <p>General: The survey now includes items related to hold-up such as: Robbery and theft history and methods of robbery.</p>
Annex C	Annex D	<p>Location survey – Influences affecting I&HAS originating within the supervised premises</p> <p>C.3 D.3 Slight rewording of the recommendation to consider moving objects in the field of movement detection.</p> <p>C.12 D.12 The first paragraph relating to explosive and flammable material has been removed. Additional examples of glazing have been given.</p> <p>NEW D.13 A new section has been added regarding HAS risk of false alarm.</p>
Annex E	Annex F	<p>Levels of supervision</p> <p>A short extra paragraph has been added to include hold-up alarms. The explanation of the table has changed and now refers to the designer instead of the specifier. In the table, penetration and trap are explained in more detail.</p>
Annex F	Annex G	<p>Information to be included in the system design proposal</p> <p>F.6 G.6 The recommendation is rephrased to suggest the configuration should be expressed in terms the user would understand.</p> <p>F.7 G.7 The term SPT has replaced ATE.</p> <p>F.10 G.10 The recommendation is now to document what the system complies with rather than the details of the compliance.</p>
Annex G	Annex H	<p>Technical Survey</p> <p>G.2 & H.2 & G.3 H.3 The first two points of G.2 (2003 version) have been moved to H.3 in the 2008 version. A recommendation that walk test indication on movement detectors operates only during testing or maintenance has been added.</p> <p>G.9 H.9 The words “(active and passive)” have been deleted from the title.</p> <p>NEW H.20 A new section has been added for hold-up devices.</p>

2003 version	2008 version	Content change detail
G.20	H.21	The recommendations for power supply mains connections have changed (re: xii and xiii). Previously it was suggested that grade 2 systems could be connected via an un-switched socket. It now recommends a fused spur or a socket fitted with a device to prevent inadvertent plug removal. A new recommendation (xv) suggests that, in some cases, end-users should not be allowed to disable hold-up devices.
G.21	H.22	Ancillary Control Equipment – the recommendations have been expanded and split into fixed and portable ACE. Consideration of suitability for disabled persons is recommended.
G.23	H.24	The term SPT has replaced ATS equipment and ATE. An extra recommendation is given regarding the RF environment and tamper risk to antennas when SPT use RF signals to transmit to the ARC.
G.24	H.25	External Warning Devices – A recommendation to interconnect WD, if two are used, has been removed. Recommendations to consider noise pollution and not sounding a WD for hold-ups have been added.
G.25	H.26	Internal Warning Devices – The old second recommendation has been split in two and reworded to improve clarity.
G.26	H.27	A recommendation has been added to consider the level of lock security for external key boxes.
Annex H	Annex I	System Record (log book) The “log book” is now called a “system record (log book)”. The recommendation example no longer includes genuine alarms but does include “maintenance visits” and “unwanted alarms”.
Annex I	Annex J	Maintenance
I.2	J.2	“Circuits” have been removed from the list of maintenance checks but hold-up devices have been added.
NEW	J.3	A new section has been added covering Remote Maintenance of I&HAS.