



G060032 - EVOLUTION OF ATEX STANDARDS AND
IMPACT ON TYPE APPROVALS AND DoC – Rev 1

EVOLUTION OF ATEX STANDARDS AND IMPACT ON TYPE APPROVALS AND DoC

G060032

Version: 1

Date: 11/07/2017



Document Identification	
Title	EVOLUTION OF ATEX STANDARDS AND IMPACT ON TYPE APPROVALS AND DoC
Reference	G060032
Prepared by	SG6
Creation Date	07/06/2013
Version	0.a

Document Status	comment
Draft	← draft revisions are from 0a to 0z...
Final	← released revisions are from 1 and up

History of Changes			
Date	Author	Version	Description of Changes
07/06/2013	Ph.CLOUTIER	0.a	Created from question raised by OT (spring 2013), based on information collected by PCL from various sources
10/06/2013	O.THORKESSON	0.b	Adjustments
18/06/2013	Ph.CLOUTIER	0.c	Clarification on referenced standards (with or without dates)
11/07/2017	Ph.CLOUTIER	1	Confirmation with ExNB/10/397/CS reference (as per wgATEX discussions in Brussels on 11/7/2017)

Revised By	
Name	Title/Role
Ola THORKESSON (Wayne)	SG6 chair
Mike MELNYK (GVR)	

Publishing				
Destination	Level	Date	Authorized by (name)	Signature
Study Group only	SG CHAIR			
Internal	TC CHAIR			
Public	CECOD			



DISCLAIMER

The information contained in this document is provided as is and corresponds to the best knowledge available. It is the CECOD study group work to build a common understanding without disclosing any proprietary information or know-how.

CECOD assumes no responsibility due to any misuse of this information, and takes no responsibility on any consequences.

It is the responsibility of the person or company using this document to endorse fully the design of their products, processes and services.

It is the responsibility of the person or company using this document to check for any legal issue such as (list is not limitative)

- Liability
- Compliance to applicable directives and laws
- Patent infringement
- H&S issues for public and workers
- Consequences of design, check procedure and

The use of this document is only allowed if person or company using this document fully takes ownership of legal and commercial responsibility of resulting study, product, service, and will not seek any liability of CECOD. The person or company also takes all and any necessary steps to prevent any liability to CECOD.



INDEX

Scope

- 1) **Domain**
- 2) **References to standards**
- 3) **Terms and acronyms**
- 4) **How to refer to standards (with or without date)**
- 5) **Best practice over product design and documentation**

Bibliography



SCOPE:

Product type approvals can be based on EN standards. Such standards can change in time, and transition period while “old” and “new” standards are in use is much shorter than type approval certificate lifetime. As a consequence, one could think that any type approval certificate could void or become invalid if obtained prior to a change of the standard it refers to once the change of the standard is officially confirmed in JOCE.

This situation is of course not true, but some restrictions might apply. The purpose of this guide is to clarify the procedure to apply in such case.

1) Domain

This guide is for ATEX related standards. Any transposition to other domains covered by EU Directives such as LV, PED, Machinery, TPED, EMC, MID is not covered by this guide.

2) References to standards

EN 60079 ATEX series
EN 13617-1 and references standards for ATEX
EN 14678-1 and references standards for ATEX

3) Terms, acronyms and symbols

DoC : Declaration of Conformity

4) How to refer to standards (with or without date)

User of this manual is warned that some directives might require that reference to standards is given with dates. Some others might not require such.

User is advised to consider using standards with reference to dates to reduce risk.

Consequence is that any “operator” performing a modification/maintenance operation shall assess modifications to essential requirements when using a part/sub-part referring to a earlier/later revision of such standard.

A DoC with reference to year of release of standards would tend to narrow liability.

5) Best practice over product design and documentation

An annex relative to significant modifications is present in each new standard. When standards were published without this annex, the ExNB have published a document about the modifications introduced in the various standards (see Document ExNB10-388 **and process of ExNB10-397CS**)

The evaluation procedure the manufacturer shall engage is summarized here under:

- 1) Assess impact of new standards on product. Either by self-assessment, or by engaging your Notified body.
- 2) When an equipment is impacted by the modifications identified as “major” in the standard, the folder of certification shall be updated, including if needed an update of the CE type examination certificate
- 3) When an equipment is impacted only by minor modifications or extensions, only the CE DoC shall be updated in such a way it indicates to the user and authorities that the product is not impacted by the extensions or major modifications introduced by the new harmonized standard.

NOTE: An alternative is to simply have the Notified body update the product certificate to the latest standards referencing the new standards on the certificate, to reduce risk of customer or involved parties stating your certification is out of date only because it does not refer to latest harmonized standards according List of harmonized European standards.

Conclusion:

There is no need to renew certification if product certification or product is

- Not impacted by major modification
- Not using extensions of a standard

There is a need to update the product CE DoC to indicate to the user and authorities that the product is not impacted by the extensions or major modifications introduced by the new harmonized standard

A manufacturer should not state on the DoC that a standard is harmonized if it is not on the list of harmonized standards. The list is unfortunately not updated that frequently, so the simplest solution is to remove reference to “harmonized” when referring to standards on the DoC.