

# **AFB 20 (2) Roadside Design Safety Subcommittee on International Research Activities**



## **European Summer Workshop**

***Brussels, Belgium April 11, 2013***

# Revision of hEN1317-5: Procedural improvements

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# Model standard

- Organization according to CEN proposed model (e.g.doc TF N 530-548)
  - Harmonized part:
    - Requirements
    - Assessment
    - AVCP (Assessment and verification of constancy of performance)
    - Annex ZA (indications for CE marking)
  - Supporting parts: test methods only and generalities
- Reorganization of all package with movement of subjects and paragraphs to different parts

# Use of the standard

- a. General, for worldwide → body of the standard
- b. EU, for CE-marking → Annex ZA

Essential characteristics, according to Mandate:

- Performance under specified impact conditions
- Impact severity respect to car occupants
- Resistance to Snow removal
- Durability of performances

Voluntary requirements, additional:

- Vehicle deformation (**VCDI**)
- Height of barrier
- Integrity (**detached pieces**)

# Products covered

- Increased number, completing the range of road passive safety products as in Scope of Answer to Mandate **(when package approved)**:
  - Safety barriers, Crash Cushions, Vehicle/Pedestrian parapets **(already in use)**
  - Part 4: Transitions between barriers, including Removable Barrier Sections
  - Part 7: Terminals of barriers
  - Part 8: (TS 1317-8) Motorcyclists protection systems, when applied to safety barriers

# Connections in the package

- The new architecture and the references allow clear connection between harmonized part and supporting parts
- Inconsistency risk will be reduced
- Delay in application, like it happened in 2010 – 2013 should be avoided
- Interested user can find in Part 5 all information beside test methods **(which are in specific supporting part)**

# CPR and CE-mark

- European Regulation (= law) enforced since July 1<sup>o</sup>, 2013 in all EU countries, replacing CPD
- CE- marking mandatory on VRS where harmonized standards available
- Manufacturers to prepare DoP according to CPR and affix CE-mark
- Product responsibility to the manufacturer
- Certification body to verify TT and FPC
- Member States not allowed to ask essential performances outside EN classification (**just other specific documented requirements**)

# Modifications of products

- Two possibilities:
  - «Modified products» (no change in results) → no change in CE mark
  - «Range of products» (derived from parent product) → different CE mark (**possible simplified assessment**)
- Risk analysis procedure for evaluation
- → simplified assessment, e.g.
  - Engineer evaluation
  - Component test or numerical simulation
  - Reduced test matrix
- Outside EU, it can be adopted by National Authority

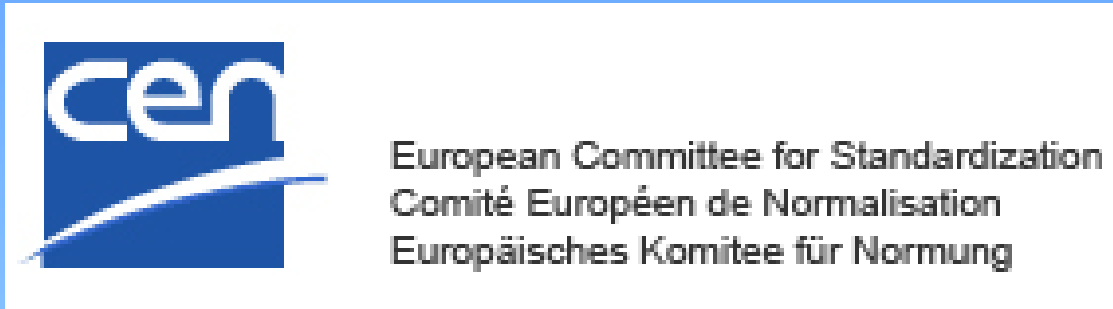


# CE mark duration

- CE mark is forever **(if product does not change)**
- Can be withdrawn by EU only if there are clear safety problems with products
- Revised hEN sets up different provisions or information and therefore new CE mark may have different meaning and DoP will report different information
- National Authorities or Procurers can ask for products which answer to old or new requirements (as well as voluntary requirements described in the standard)

# Installation

- CPR and EN1317 have the scope of allowing free trade within EU, producing a common platform of essential characteristics
- Only products bearing a CE mark are allowed to be placed on the EU market
- Installation rules are exclusive responsibility of National Authorities
- They can decide which classes or other characteristics are appropriate for their territory and situations



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*Thanks for the attention*

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