

CEN TC 212 N1241 To TC Members

Ref: Report to the EU Pyrotechnics working group (Meeting of 22 June 2012)

2012-06-18

Re.: Report to the EU Pyrotechnics working group (Meeting of 22 June 2012) / Progress of the standardization work of CEN/TC 212 Pyrotechnic articles.

Please find below a report of CEN/TC 212 pyrotechnic articles to the EU Pyrotechnics working group in which the progress of the standardisation work is described. The following topics are described:

- 1. Update of the work program of CEN/TC 212 and its working groups (page 2 7).
- 2. Excerpt from PROJEX online with the next milestones for each work item (page 8).
- 3. Creation of ISO/TC 264 Fireworks (page 9).

Yours sincerely,

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Secretary of CEN/TC212 'Pyrotechnic articles'

### 1 Update of the work program of CEN/TC 212 and its working groups

#### 1.1 Structure of CEN/TC 212 'Pyrotechnic articles'

Chairman of CEN/TC 212: Kees van Luijk (The Netherlands). Kees.van.Luijk@rivm.nl Secretariat of CEN/TC 212: NEN, Hieke Reijnhoudt, Hieke.Reijnhoudt@nen.nl Categorisation of pyrotechnic articles Working groups in CEN/TC 212 according to the directive Fireworks, category 1 - 3 WG 1: 'Fireworks, category 1 -3' Convenor: Dietrich Eckhardt (Germany). Dietrich.Eckhardt@bam.de Secretariat: DIN. Jenny Blum (Jenny.Blum@din.de) Fireworks, category 4 WG 2: 'Fireworks, category 4' Convenor: Mr. Santo Petralia (Italy) Santo Petralia@cheapnet.it Secretariat: AFNOR. Aisatou Doucoure (aisatou.doucoure@afnor.org) With technical assistance of Pierre Thebault Pierre.Thebault@etienne-lacroix.com Theatrical pyrotechnic articles, WG 3: 'Theatrical pyrotechnic articles, category T1and T2 category T1 and T2' Convenor: John Perriam (United Kingdom) John@lemaitreltd.com Vice convenor: Christian Lohrer (Germany) Christian.lohrer@bam.de Secretariat: DIN (See WG 1) Pyrotechnic articles for vehicles WG 4: 'Pyrotechnic articles for vehicles' Convenor: Yolande Fournier (France) Yolande, Fournier@autoliv.com Secretariat: Bureau de Normalisation de l'Automobile (BNA) (France), Michele Maitre Michele.Maitre@bn-auto.com Other pyrotechnic articles, WG 5: 'Other pyrotechnic articles, category P1 and P2 category P1 and P2' Convenor: Pierre Thebault (France) Pierre.Thebault@etienne-lacroix.com

Secretariat: AFNOR (See WG 2)

#### 1.2 Current work program of CEN/TC 212

1.2.1 Gives a summary of the current work program. 1.2.2 till 1.2.6 gives an overview of the work program of WG 1 - WG 5.

#### 1.2.1 Summary of the current work program.

- ▶ WG 1 developed 5 European standards. All these documents are approved by CEN/TC 212 and published by the CEN-CENELEC Management Centre (CCMC) in 2010. After that, CCMC sent these standards to the European Commission to be published in the OJEU. Sweden and France raised a formal objection for part 3, 4 and 5. The European Commission decided that it is not necessary to revise parts 3, 4 and 5 of EN 15947 with regard to the formal objection of the French authorities. With regard to the formal objection of the Swedish authorities, the commission decided to ask for a revision of EN 15947. The references of all parts of EN 15947 are published in the OJEU accompanied by an additional notice on October 15<sup>th</sup> 2011.
  See document CEN TC 212 N 1185 for the full text of the decision by the European Commission and document N1212 for the full text of the publication of EN 15947 Part 1 − Part 5 in the OJEU. CEN/TC 212 awaits the new mandate to revise (the relevant parts of) the standard. The draft mandate is launched for EC consultation (the 98/34 committee). Deadline for comments: 15 June 2012.
- ➤ WG 2 WG 5 developed Technical Reports. They all have been approved by CEN/TC 212 and are published by CCMC.
- ➤ WG 2 WG 5 started May 2009 with the development of European standards. All documents have been sent into CEN enquiry. The comments were discussed at the working groups meeting in October and November 2011.
- In the plenary meeting in Paris (November 2011) the documents of WG 2, WG 3, WG 4 and one document (prEN 16265) of WG 5 were approved to be sent for Formal Vote. These documents have been sent to CCMC (or ISO in the case of FprEN 14451-1 to -10) in order to launch them for Formal Vote (and FDIS for ISO/FDIS 14451-1 to -10). The FprENs were sent to the CEN Consultant for assessment. The CEN consultant finished his assessment on the documents of WG 2, WG 3, WG 4 and one document (prEN 16265) of WG 5.
- ➤ WG 2: A positive assessment was received on FprEN 16261-1, -3 and -4. The FV started on 19 April 2012 and closes on 19 June 2012. A negative assessment was received on FprEN 16261-2. The document was modified and the CEN consultant gave a positive assessment on the revised document.
- ▶ WG 3: A positive assessment was received on FprEN 16256-1 and -2. The FV started on 3 May April 2012 and closes on 3 July 2012. A negative assessment was received on FprEN 16256-3, -4 and -5. The documents were modified and the CEN consultant gave a positive assessment on the revised documents.
- ➤ **WG 4**: A positive assessment was received on FprEN 14451-1. A negative assessment was received on FprEN 14451-2 to -10. This has to be dealt first by ISO/CS (pending).
- ➤ WG 5: A negative assessment was received on FprEN 16265. Considering the number and nature of the comments in the negative assessment, which requires substantial additional work by the WG 5, the TC concluded it is not possible to come to an agreement before the target date (2012-04-30). It was decided to cancel RESOLUTION TC 212 16/2011 regarding the decision on the future of prEN 16265 after CEN Enquiry. WG 5 is asked to provide the final text of the document to the TC secretary for distribution within CEN/TC 212, before 22 June, 2012, in order to start a resolution by correspondence on the future of prEN 16265 (2nd CEN enquiry or FV)
- ➤ WG 5: The last comments received during CEN enquiry on the documents on cartridges (prEN 16264) and other pyrotechnic articles (prEN 16263-1 to -5) were discussed in the meetings of (the subgroup of) WG 5 in January 2012. At the plenary TC meeting on March 22th 2012 in Paris (AFNOR) it was decided to launch a 2nd CEN enquiry for 2 months for prEN 16263-1 to -5 and to launch the Formal Vote on prEN 16264.

#### 1.2.2 Work program of WG 1, Fireworks category 1 - 3

Work item	Project leader		
EN 15947-1:2010, Pyrotechnic articles - Fireworks category 1, 2 and 3 – Part 1: Terminology  Is published in the OJEU	Jean-Laurent Gruaz jeanlaurent.gruaz@ardi-sa.fr		

Work item	Project leader  Alexander von Oertzen alexander.von_oertzen@bam.de  Ed de Jong Ed.dejong@tno.nl		
EN 15947-2:2010, Pyrotechnic articles - Fireworks category 1, 2 and 3 – Part 2: Categorisation  Is published in the OJEU			
EN 15947-3:2010 Pyrotechnic articles - Fireworks category 1, 2 and 3 – Part 3: Requirements for labelling Is published in the OJEU accompanied by an additional notice.			
EN 15947-4:2010 Pyrotechnic articles - Fireworks category 1, 2 and 3 – Part 4: Test Methods  Is published in the OJEU accompanied by an additional notice.	Jochen Sprute sprute@comet-feuerwerk.de		
EN 15947-5:2010, Pyrotechnic articles - Fireworks category 1, 2 and 3 – Part 5: Requirements for construction and performance  Is published in the OJEU accompanied by an additional notice.	Ed de Jong Ed.dejong@tno.nl		

## 1.2.3 Work program of WG 2, Fireworks category 4

Work item	Project leader		
FprEN 16261-1 –Pyrotechnic articles - Fireworks category 4 – Part 1: Terminology  WI number: 00212074	Ed de Jong Ed.dejong@tno.nl		
FprEN 16261-2 –Pyrotechnic articles - Fireworks category 4 – Part 2: Requirements  WI number: 00212075	Manuel Coronado manuel@ricardocaballer.com		
FprEN 16261-3 –Pyrotechnic articles - Fireworks category 4 – Part 3: Test methods  WI number: 00212076	Lutz Kurth  Lutz.Kurth@bam.de		
FprEN 16261-4 –Pyrotechnic articles - Fireworks category 4 – Part 4: Minimum labelling requirements and instructions for use  WI number: 00212077	Ruddy Branka Ruddy.branka@ineris.fr		

## 1.2.4 Work program of WG 3, Theatrical pyrotechnic articles

Work item	Project leader		
FprEN 16256-1 —Pyrotechnic articles - Theatrical pyrotechnic articles — Part 1: Terminology WI number: 00212078	Stewart Myatt Stewart.Myatt@hsl.gov.uk		
prEN 16256-2 –Pyrotechnic articles - Theatrical pyrotechnic articles — Part 2: Categories and types of theatrical pyrotechnic articles  WI number: 00212079	John Perriam john@lemaitreltd.com		
FprEN 16256-3 –Pyrotechnic articles - Theatrical pyrotechnic articles — Part 3: Requirements for construction and performance.  WI number: 00212080	Christian Lohrer Christian.Lohrer@bam.de		
FprEN 16256-4 —Pyrotechnic articles - Theatrical pyrotechnic articles — Part 4: Minimum labelling requirements and Instructions for use.  WI number: 00212081	Toni Gamon plasticos@gamon.es		
FprEN 16256-5 Pyrotechnic articles - Theatrical pyrotechnic articles Part 5: Test methods.  WI number: 00212082	Lutz Kurth  Lutz.Kurth@bam.de		

## 1.2.5 Work program of WG 4, Pyrotechnic articles for vehicles

Work item	Project leader
FprEN 14451-1 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 1: Terminology ISO/FDIS 14451-1 (ID 54762) WI number: 00212064	Alexander von Oertzen alexander.von_oertzen@bam.de
FprEN 14451-2 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 2: Test methods ISO/FDIS 14451-2 (ID 54763) WI number: 00212065	Klaus Pilatus Klaus.Pilatus@autoliv.com

Work item	Project leader			
FprEN 14451-3 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 3: Labelling ISO/FDIS 14451-3 (ID 54764) WI number: 00212066	Gunter Wachsmann Guenter.Wachsmann@bmw.de			
FprEN 14451-4 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 4: Requirements and categorisation for micro gas generators  ISO/FDIS 14451-4 (ID 54765)  WI number: 00212067	Armin Stark Armin.Stark@trw.com			
FprEN 14451-5 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 5: Requirements and categorisation for airbag gas generators  ISO/FDIS 14451-5 (ID 54766)  WI number: 00212068	Frederic Gueret Frederic.Gueret@autoliv.com			
FprEN 14451-6 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 6: Requirements and categorisation for airbag modules  ISO/FDIS 14451-6 (ID 54767)  WI number: 00212069	Björn Windhausen Bjoern.Windhausen@eu.Takata.com			
FprEN 14451-7 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 7: Requirements and categorisation for seat belt pretensioners  ISO/FDIS 14451-7 (ID 54769)  WI number: 00212070	Lionel Aufauvre Lionel.AUFAUVRE@ineris.fr			
FprEN 14451-8 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 8: Requirements and categorisation for igniters ISO/FDIS 14451-8 (ID 54770) WI number: 00212071	Frederic Gueret Frederic.Gueret@autoliv.com			
FprEN 14451-9 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 9: Requirements and categorisation for actuators  ISO/FDIS 14451-9 (ID 54772)  WI number: 00212072	Frederic Marlin f.marlin@snpe.com			

Work item	Project leader
FprEN 14451-10 Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 10: Requirements and categorisation for semi-finished products	Frederic Gueret Frederic.Gueret@autoliv.com
ISO/FDIS 14451-10 (ID 54774)	
WI number: 00212073	

## 1.2.6 Work program of WG 5, Other pyrotechnic articles

Work item	Project leader				
prEN 16263-1 – Pyrotechnic articles – Other pyrotechnic articles - Part 1: Terminology WI number: 00212083	Mirjam van der Plas Mirjam.vanderplas@dhv.com				
prEN 16263-2 – Pyrotechnic articles – Other pyrotechnic articles - Part 2: Requirements WI number: 00212084	Ed de Jong Ed.dejong@tno.nl				
prEN 16263-3 – Pyrotechnic articles – Other pyrotechnic articles - Part 3: Categories and types  WI number: 00212085	Daniel Casenave d.casenave@wanadoo.fr				
prEN 16263-4 – Pyrotechnic articles – Other pyrotechnic articles - Part 4: Test methods WI number: 00212086	Alexander von Oertzen alexander.von_oertzen@bam.de				
prEN 16263-5 – Pyrotechnic articles – Other pyrotechnic articles - Part 5: Minimum labelling requirements and instructions for use WI number: 00212087	Beatriz Collado Aguillar beatriz.collado@aidico.es				
FprEN 16265 – Pyrotechnic articles – Other pyrotechnic articles – Ignition devices WI number: 00212088	Pierre Thebault Pierre.Thebault@etienne-lacroix.com				
prEN 16264 – Pyrotechnic articles – Other pyrotechnic articles – Cartridges for powder actuated tools  WI number: 00212089	Andrea Pomi a.pomi@fiocchigfl.it				

# . 2 Projex-Online CEN/TC 212 - Pyrotechnic articles

Reference	Title	Drafting Body	Last Milestone Name	Last Milestone	Last Realised Date	Next Milestone Name	Next Milestone
FprEN 16261-1	Pyrotechnic articles - Fireworks, category 4 - Part 1: Terminology	CEN/TC 212/WG 2	Submission to Vote	50.20.0000	19-4-2012	Closure of Vote	50.60.0000
FprEN 16261-2	Pyrotechnic articles - Fireworks, Category 4 - Part 2: Requirements	CEN/TC 212/WG 2	Dispatch of FV draft to CMC	45.99.0979	16-5-2012	Submission to Vote	50.20.0000
FprEN 16261-3	Pyrotechnic articles - Fireworks, Category 4 -	CEN/TC 212/WG 2	Submission to Vote	50.20.0000	19-4-2012	Closure of Vate	50.60.0000
FprEN 16261-4	Part 3: Test methods Pyrotechnic articles - Fireworks, Category 4 - Part 4: Minimum labelling requirements and	CEN/TC 212/WG 2	Submission to Vote	50.20.0000	19-4-2012	Closure of Vote	50.60.0000
FprEN 16256-1	Pyrotechnic articles - Theatrical pyrotechnic	CEN/TC 212/WG 3	Submission to Vote	50.20.0000	3-5-2012	Closure of Vote	50.60.0000
FprEN 16256-2	articles - Part 1: Terminology Pyrotechnic articles - Theatrical pyrotechnic articles - Part 2: Categories of theatrical	CEN/TC 212/WG 3	Submission to Vote	50.20.0000	3-5-2012	Closure of Vote	50.60.0000
FprEN 16256-3	pyrotechnic articles  Pyrotechnic articles - Theatrical pyrotechnic articles - Part 3: Requirements for construction and performance	CEN/TC 212/WG 3	Dispatch of FV draft to CMC	45.99.0979	30-4-2012	Submission to Vote	50.20.0000
FprEN 16256-4	Pyrotechnic articles - Theatrical pyrotechnic articles - Part 4: Minimum labelling requirements and instructions for use	CEN/TC 212/WG 3	Dispatch of FV draft to CMC	45.99.0979	30-4-2012	Submission to Vote	50.20.0000
FprEN 16256-5	Pyrotechnic articles - Theatrical pyrotechnic articles - Part 5: Test methods	CEN/TC 212/WG 3	Dispatch of FV draft to CMC	45.99.0979	30-4-2012	Submission to Vote	50.20.0000
prEN ISO 14451-1	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 1: Terminology (ISO/DIS 14451- 1:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45,99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-2	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 2: Test methods (ISO/DIS 14451- 2:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-3	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 3: Labelling (ISO/DIS 14451-3:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-4	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 4: Requirements and categorisation for micro gas generators (ISO/DIS 14451-4:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-5	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 5: Requirements and categorisation for airbag gas generators (ISO/DIS	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-6	14451-5:2011) Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 6: Requirements and categorisation for airbag modules (ISO/DIS 14451 6:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.26.0000
prEN ISO 14451-7	(ISO/DIS 14451-7:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-8	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 8: Requirements and categorisation for igniters (ISO/DIS 14451-8:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-9	Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 9: Requirements and categorisation for actuators (ISO/DIS 14451-9:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20.0000
prEN ISO 14451-10	9-2011) Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 10: Requirements and categorisation for semi-finished products (ISO/DIS 14451-10:2011)	CEN/TC 212/WG 4	Dispatch of FV draft to CMC	45.99.0979	15-12-2011	Submission to Vote	50.20,0000
prEN 16263-1		CEN/TC 212/WG 5	Dispatch of ENQ draft to CMC	30.99.0979	24-4-2012	Submission to enquiry	40.20.0000
prEN 16263-2	Pyrotechnic articles - Other pyrotechnic articles - Part 2: Requirements	CEN/TC 212/WG 5		30.99.0979	18-4-2012	Submission to enquiry	40.20.0000
prEN 16263-3	Pyrotechnic articles - Other pyrotechnic articles -	CEN/TC 212/WG 5		30.99.0979	18-4-2012	Submission to enquiry	40.20.0000
prEN 16263-4	Part 3: Categories and types Pyrotechnic articles - Other pyrotechnic articles -	CEN/TC 212/WG 5	Dispatch of ENQ draft to	30.99.0979	18-4-2012	Submission to enquiry	40.20.0000
prEN 16263-5	Part 4: Test methods Pyrotechnic articles - Other pyrotechnic articles - Part 5: Minimum labelling requirements and	CEN/TC 212/WG 5	CMC Dispatch of ENQ draft to CMC	30.99.0979	18-4-2012	Submission to enquiry	40.20.0000
prEN 16264	instructions for use Pyrotechnic articles - Other pyrotechnic articles - Castridges for pounds actuated tools	CEN/TC 212/WG 5	Closure of enquiry	40.60.0000	31-8-2011	Dispatch of FV draft to CMC	45.99.0979
FprEN 16265	Cartridges for powder actuated tools Pyrotechnic articles - Other pyrotechnic articles - Ignition devices	CEN/TC 212/WG 5	Dispatch of FV draft to CMC	45.99.0979	19-12-2011	Dispatch of FV draft to CMC	45.99.0979

#### 3. Creation of ISO/TC 264 Fireworks

ISO/TC 264 FireworksCreation date: 2011Secretariat: SAC

Secretary: Ms. Chaxiang Huang

Chairperson: Dr. Libing Wang (China) until end 2015

#### Scope:

Standardization in the field of Fireworks, including quality control, definitions, terminology, classification, categorization, labelling, test methods and basic safety requirements.

Participating countries:

13

Observing countries:

16

Meeting calendar

Month Date Location

September 2012 24-25 Liuyang (China)

TC 264