



CO-ORDINATION OF NOTIFIED BODIES
PPE Regulation 2016/425

PPE-R/09.002
Version 1

RECOMMENDATION FOR USE

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Origin : Vertical Group 9		<input checked="" type="checkbox"/> Vertical Group	21.04.2018
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		<input type="checkbox"/> EU PPE Working Group	
Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: 1621-2: 2014	<input type="checkbox"/> Other:
Article:	Annex: II	Clause: 4.6 Sizing	
Key words: Motorcyclists back protector sizing intervals			
Question: EN 1621-2: 2014 clause 4.6 Sizing, states "The waist to shoulder length, expressed in centimetres shall be specified as a range up to max. 5cm." Should this maximum 5cm range be the number of centimetres between the minimum and maximum value claimed (e.g 45 – 50cm) OR should this maximum 5cm include both the maximum and minimum values (e.g 45 – 49cm)?			
Solution: Providing that there is an 'overlap' in the sizing across the range of available sizes (for example Size S = 45 – 50cm, Size M = 50 – 55cm) it would be considered acceptable for the 5cm range to be the number of centimetres between the maximum and minimum value claimed. However, if no 'overlap' in values is present or only a single size of protector is available, (for example Size S = 45 – 50cm, Size M = 51 – 56cm) the 5cm range should include both the minimum and maximum value claimed.			



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Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: 13594: 2002	<input type="checkbox"/> Other:
Seam Strength			
Article:	Annex:	Clause:	
Key words: Motorcycle Gloves			
Question: If a motorcycle glove consists of two separate layers such as a textile liner and leather outer that are not attached together (except at the finger tips and cuff) how should the seam burst strength be measured – both layers together or each layer separately with at least one layer achieving a burst pressure > 600 kPa?			
Solution: If the outer leather and lining are only connected at the cuff and finger tips, the glove must be treated as separate layers. The requirement states "All seams ... between pieces of material forming the protective layer must ...more than 600 kPa" and if you have two layers each with its own seam and test them together you are testing two seams at the same time so cannot assess against the 600 kPa requirement for a single seam.			



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Question related to PPE Regulation

EN/prEN: EN 1621-1: 2012 &
EN 1621-2: 2014

Other:

Winter Sports Protectors

Article:

Annex:

Clause:

Key words:

Impact protectors for use in motorcycling AND skiing

Question:

Considering that no dedicated harmonised standard is currently available for back & limb protectors in winter sports: How to test and certify back & limb protectors intended not only for motorcycle use but also for use in skiing and snowboarding?

Solution:

Testing:

The protector must completely satisfy the requirements of EN 1621-2: 2014 and EN 1621-1: 2012, and in addition to full compliance with the relevant EN 1621 testing requirements being obtained for the mandatory ambient and wet impact conditions, additional impact testing at "- 20°C" and not "- 10°C" should also be carried out. The duration of the conditioning at -20°C shall be a minimum of 24 hours, and the testing shall be done at lab conditions within 5 min from the removal of the sample from the cold chamber.

Certification:

A common certification for use in motorcycling and winter sports is possible. The use of an additional "skier" pictogram can be accepted. The overall classification level claimed shall be based on the lowest impact performance level achieved for any of the pre-conditions during assessment.



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Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 14021: 2003	<input type="checkbox"/> Other:
Impact Testing			
Article:	Annex:	Clause: 1 and 4.7 Impact Performance	
Key words: Motorcyclists Stone Shields			
Question:			
1) Stone shields for persons with a breast / chest girth less than 75 mm are excluded from the standard. Can they be certified based on and marked with EN 14021?			
2) The average measured peak force shall be below 27kN at an impact of 10J and using a guard ring 10mm higher than the anvil. Is this requirement demanding a sufficient degree of limited protection by the product?			
Solution:			
1) Not at present. Certify to the PPE directive.			
2) No.			
Nearly every material will pass this test. Perhaps a change in the final drafting stage lead to wrong performance values or test conditions (e.g. guard ring higher than anvil?). Also no maximum peak force is required.			
Require for safety reasons at least 20 kN and a maximum peak force of 25 kN.			



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Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 13595-1: 2002	<input type="checkbox"/> Other:
Design			
Article:	Annex:	Clause: 1 and 4.7 Impact Performance	
Key words: Motorcyclists Clothing – Zippers / Ventilation Areas			
Question: Several manufacturers present us some garments with ventilated areas closed by zippers (like a pocket but for ventilation) These zippers can be on zone 2 or 3 regarding to the EN 13595-1: 2002 annex C Ventilation zippers could be open during riding How can we consider this items? Can we perform a test on the closed and/or open zipper ?			
Solution: - Perform the zone 2 or 3 requirements on closed zipper: abrasion, cut resistance.... - A warning shall be included in user information to ensure that zippers are closed during riding			



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Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 1621 Parts 1 & 2	<input type="checkbox"/> Other:
Marking			
Article:	Annex:	Clause: EN 1621-1 Clause 7 and FprEN 1621-2 Clause 6	
Key words: EN 1621-1: 2012 and EN1621-2: 2014			
Question: If a protector achieves performance level 2 impact attenuation after all three conditioning procedures of: 1. Ambient, 2. wet 3. low temperature But only performance level 1 attenuation after high temperature conditioning Can it be marked with 2 separate pictograms – one showing only "T-" and Level 2 the other also showing "T+" but at Level 1?			
Solution: No. It is not acceptable to include two separate (and confusing) pictograms showing different levels, only a single pictogram may be used, see EN 1621-1: 2012 clause 5.4 and / or EN 1621-2: 2014 clause 4.4.			



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Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 1621-1:2012 & EN 1621-2:2014	<input type="checkbox"/> Other:
Wet Impact Test After Hydrolytic Ageing			
Article:	Annex:	Clause: EN 1621-1 clause 6.3.4.3 & EN 1621-2 clause 5.1.6.2	
Key words: Wet impact test after hydrolytic			
Question: How should the sample be stored in the sealed bag according to 1621-1 clause 6.3.4.3 and 1621-2 clause 5.1.6.2?			
Solution: The sample should be stored to allow water to drop out within the sealed bag.			



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Question related to PPE Regulation

EN/prEN: EN 16027: 2011

Other:

Impact Testing

Article:

Annex:

Clause: 5.6 Impact Strength

Key words:

Protective Goal Keepers Gloves, Impact Strength

Question:

The standard EN 16027: 2011 details the test apparatus required for Impact Strength testing in 5.6.1 and the procedure for this test in clause 5.6.2.

Although clause 5.6.2 details the impact energy that should be used to carry out this assessment, neither the list of apparatus (clause 5.6.1) nor the procedure (clause 5.6.2), specify the weight of the carriage which should be used.

Is it possible to use any weight carriage to carry out this test, providing that the correct drop height has been calculated prior to testing to obtain the impact energy specified in the standard?

Solution:

No. A heavy mass falling a short distance may not produce the same effect as a small mass falling from a greater height.

A carriage weight of 2.5 kg should be used.



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Question related to <input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 1621-1:2012 & EN 1621-2:2014	<input type="checkbox"/> Other:
Innocuousness		
Article:	Annex:	Clause: EN 1621-1: 2012 clause 5.2 & EN 1621-2: 2014 clause 4.2
Key words: Innocuousness		
Question: Is azo dyes testing (according to EN 340: 2003 or EN ISO 13688:2013) for foam or plastic parts of protectors worn above garments or in garment pockets required?		
Solution: No, (because they have no direct contact to the skin).		



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Question related to <input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 1621-1: 2012	<input type="checkbox"/> Other:
User Information		
Article:	Annex:	Clause: 8
Key words:		
Information by the manufacturer		
Question:		
The instruction for use shall contain according to clause 8.e.2 the performance of impact attenuation:		
1) Is it sufficient if at least the highest (poorest) result according to clause 6.3.4 (ambient, wet, high and low temperature test) is mentioned?		
2) Instead of the exact recorded value obtained during type approval, is it acceptable that the manufacturer states at least the minimum requirement value given by the standard for the claimed performance level?		
Solution:		
1) Yes, because this value (e.g. mean value for wet test) determines the performance level in the marking. More results can be given if desired by the manufacturer.		
2) No. This would not be acceptable.		



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Question related to PPE Regulation

EN/prEN: EN 13594: 2015

Other:

Tear Strength

Article:

Annex:

Clause: 4.6

Key words:

Tear Testing, Determination of Pass / Fail, Protective Overlays

Question:

EN 13594: 2015 requires 3 samples of each material type used in the protective layer to be tested for tear, and that the lowest result on a single test piece shall comply with the performance requirements.

- 1) The current wording suggests that each material type / layer of materials that forms the protective layer must be tested individually. Is this correct?
- 2) The current wording suggests that each individual material type / layer of materials that forms the protective layer must meet the requirements of EN 13594: 2015. Is this correct?
- 3) If protective overlay patches are present on the palm and back of the hand, how should one test and evaluate the tear resistance level according to EN 13594: 2015

Solution:

1 & 2) Each of the three samples required for tear testing shall be taken through the full thickness of the protective layer to include each of the materials found within the protective layer, and all layers are to be tested together. The lowest result on a single test piece shall comply with the performance requirements.

3) In cases where reinforcement and / or protective overlay patches are present, the results obtained on the weakest parts of the structure should be considered.



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Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: 1621-1: 2012	<input type="checkbox"/> Other:
Motorcyclists limb protectors			
Article:	Annex:	Clause: 5.3 and 6.3	
Key words: Impact protectors with ergonomic gaps			
Question: Limb protectors containing ergonomic gaps within the template area for ergonomic reasons can comply with EN 1621-1 clause 5.3 and 6.3. The manufacturer has to state in his instructions for use that these gaps need to be closed when the protector is used (e.g. form a 3-dimensional shape). 1) Should the manufacturer's information contains a warning that full impact protection is only available if the ergonomic gaps of the protectors are closed?			
Solution: 1) yes; warning is important for safety reasons.			