

## TÜV Rheinland LGA Products - Information

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### **New standard for protective clothing for increased visibility for medium risk situations, EN 17353**

The EN 17353 standard, published in November 2020, combines the requirements of EN 1150 and EN 13356 and incorporates changes required by the technical state of the art.

- EN 1150 refers to warning clothing made of fluorescent and reflective material for non-professional use (protective vests for children, joggers, etc.).
- EN 13356 refers to warning accessories for non-professional use such as tags on satchels and clothing, clack bracelets, sashes, overcoats.

EN 17353 has been valid since its publication on 1.11.2020. EN 17353 states that DIN EN 1150 and DIN EN 13356 will continue to apply until 31.08.2023.

An existing declaration of conformity is therefore still valid. Products can also still be tested and certified according to these standards and thus, until August 2023 the conformity to the PPE regulation can be declared. After that, a declaration of conformity with reference to DIN EN 1150 and/or DIN EN 13356 is no longer valid.

Even though many requirements of DIN EN 1150 and DIN EN 13356 are included in the new standard, there are some aspects that are more extensive in EN 17353 and represent the latest technology. Since it is the manufacturer's task to ensure that the product complies with the latest technological advancements, we already recommend testing in accordance with EN 17353.

As the title of EN 17353 suggests, this standard deals with medium-risk situations. The table in Annex A of the standard gives the demarcation between higher and lower risk products. Lower risk products are not personal protective equipment, e.g. clothing intended for private use on which reflective or fluorescent elements are applied for fashion or decorative purposes. High visibility vests for construction workers, high visibility vests as accessories in vehicles correspond to the high risk level and are tested according to other standards, e.g. EN ISO 20471.

Equipment for head, hands and feet are tested according to the specific standards for e.g. helmets, gloves and shoes.

EN 17353, like its predecessors, does not specify requirements for active lighting such as LEDs.

The following additional aspects arise with the new standard, EN 17353:

- The main difference from the current visibility standards is that the clothing is intended to be used for protection during the day and/or at night times, and this must be recognizable to the wearer through appropriate markings.  
- new labeling requirements, symbols:

**A**



Equipment for light conditions during the day  
Only fluorescent materials,

**B**



Equipment for light conditions in the dark  
Only retroreflective materials

**AB**



Equipment for light conditions during the day, twilight and darkness.  
fluorescent and retroreflective materials and / or materials with combining properties  
as well as further subgroups.

- The standard covers medium-risk situations, such as working in industry (for example, with slow-moving vehicles), jogging on roads with lower traffic speeds, or cycling.
- Basic requirement regarding 360° visibility has been included for all products. This means that various aspects of the standard must be considered when designing the products/clothing. The details are comprehensively presented in the standard.
- Performance requirements for color and retroreflection, as well as for the minimum areas and arrangement of protective clothing materials, are also specified and can be found in the standard.

All articles considered in the standard are personal protective equipment that must undergo a conformity assessment procedure in accordance with Article 19 of Regulation (EU) 2016/425 on personal protective equipment in order to be marketed with the CE mark.

For further technical information, please contact us:

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