In hazardous working conditions, high-visibility gear must meet strict safety standards. Here are four variations that fit that description.

**Type 1 — vest, shirt, or similar garment**
- Vertical length: 0.61 m/24 in. (minimum)
- Background:
  - 0.13 m²/200 in.² (minimum)
  - Fluorescent lime-yellow, yellow, orange*

**Type 2 — jacket, coat, coveralls, or similar garment**
- Vertical length: 0.61 m/24 in. (minimum)
- Background:
  - 0.26 m²/400 in.² (minimum)
  - Fluorescent lime-yellow, yellow, orange*
  - Bright yellow*, orange*, red*

**Type 3 — harness-type garment**
- Vertical length: 0.51 m/20 in. (minimum)
- Background:
  - 0.06 m²/100 in.²
  - Fluorescent lime-yellow, yellow, orange*

**Type 3 affixed**
- Type 3 harness garment that is permanently affixed to another garment (i.e., a vest, a shirt, or a jacket)
- Harness portion meets the Type 3 requirements, above

**Type 1 and 2 Visibility-enhancing (VE) trim — distinctive pattern**
- Can be separate or combined performance VE trim
- For both types, the fluorescent and retro-reflective portion:
  - Contrasts with the background
  - Horizontal, vertical, and criss-crossed bands as shown
  - Vertical bands must extend to the waist

**Type 3 and 3 affixed**
- Visibility-enhancing (VE) trim — distinctive pattern
- For both types, the fluorescent and retro-reflective portion must be combined performance VE trim:
  - Contrasts with the background
  - Horizontal, vertical, and criss-crossed bands as shown
  - Vertical bands must extend to the waist

*High-visibility background colours must meet chromaticity and luminance requirements of the WCB Standard.

**The combined performance consists of a single strip that is both fluorescent and retro-reflective; separate performance consists of two strips (one fluorescent and one retro-reflective).**

For more information on hi-vis vest requirements, refer to the “WCB Standard: PPE 2 High Visibility Garment — Personal Protective Equipment Standard 2” on worksafebc.com or the back of this poster.
For the complete version of the WCB Standard, see worksafebc.com.

In this standard, the following definitions apply:

Background: The part of the garment visible either from the front or the back of the garment and must be of a contrasting color. The harness has fluorescent and retroreflective properties.

VE Trim: Visibility enhancing trim attached to the garment. The trim has fluorescent and retroreflective properties.

Type 3: A harness type garment worn on the torso, fabricated from parallel strips of fluorescent and retroreflective materials.

2. In lieu of side VE trim, a band of 50 mm (2 inches) wide VE trim may be placed around the sleeve at the wrist or upper arm area of the garment.

1. Have a smooth flat exterior finish.

2. Be securely attached to the garment.

3. Be applied so that it is visible on the side of the garment when worn.

4. Be entirely retroreflective and at least 25 mm (1 inch) wide.

5. Be at least 50 mm (2 inches) wide.

6. Be made either from; combined performance material that exhibits both fluorescent and retroreflective properties, or separate fluorescent and retroreflective materials.

Type 1 Garments

The background of the garment must be fluorescent lime yellow, fluorescent yellow, or fluorescent orange colored. The minimum vertical length for both front and back of the garment is 0.61 meters (2 feet). The minimum background area for either the front or the back of the garment is 0.05 square meters (80 square inches). The fluorescent portion of the VE trim for either the front or the back of the garment must have a minimum area of 0.05 square meters (80 square inches).

Type 2 Garments

The background of the garment must be either fluorescent lime yellow, fluorescent yellow, or fluorescent orange colored. The minimum vertical length for both front and back of the garment is 0.51 meters (1.7 feet). The minimum background area for either the front or the back of the garment is 0.05 square meters (80 square inches). The fluorescent portion of the VE trim for either the front or the back of the garment must have a minimum area of 0.03 square meters (40 square inches).

Type 3 Garments

The background of the garment must be fluorescent lime yellow, fluorescent yellow, or fluorescent orange colored. The minimum vertical length for both front and back of the garment is 0.61 meters (2 feet). The minimum background area for either the front or the back of the garment is 0.064 square meters (100 square inches). The fluorescent portion of the VE trim for either the front or the back of the garment must have a minimum area of 0.03 square meters (40 square inches).

The minimum vertical length for both front and back of the garment is 0.256 square meters (300 square inches). The fluorescent portion of the VE trim for either the front or the back of the garment must have a minimum area of 0.03 square meters (40 square inches).

The fluorescent portion of the VE trim must be continuous along the entire length of the trim and have a minimum Coefficient of Retroreflection = 240 divided by the width in inches of the retroreflective portion of the VE trim (i.e. if the width of the retroreflective portion is 1/2 inch, the minimum Coefficient of Retroreflection is 480).

Coefficient of Retroreflection: The fraction of incident light reflected by a retroreflective material. The unit of measurement is candelas per foot-candle (cd/ft) at a given angle of incidence.

Retroreflective Surface: A surface that is retroreflective when observed under the same conditions that produced the retroreflective properties.

3. Be applied so that it is visible on the side of the garment when worn.

4. Be entirely retroreflective and at least 25 mm (1 inch) wide.

5. Be a minimum Coefficient of Retroreflection of 240.