

High-visibility safety apparel



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Preface

This is the fourth edition of CSA Z96, *High-visibility safety apparel*. It supersedes the previous editions published in 2015, 2009, and 2002. This edition is designed to be in technical harmony with ANSI/ISEA 107 and ISO 20471.

The major changes to this edition include the following:

- a) abbreviations and definitions have been updated to align with terminology found in ANSI/ISEA 107;
- b) updated reference publications, removing the withdrawn CGSB 86.1 and including ASTM and ISO references;
- c) titles have been added to each Clause for clarity;
- d) new requirements for bib-style overalls have been added to Clause [4.5](#);
- e) each Clause content has been updated;
- f) the previous Clause [5.7](#) on ergonomics was combined and moved to Clause [4.2](#); and
- g) the informative Annex material has been revised and colour removed from the drawings.

CSA Group acknowledges the development of this Standard was made possible, in part, by the financial support of the Canadian Association of Administrators of Labour Law – Occupational Safety and Health (CAALL-OSH), including provincial and territorial governments, as well as the Government of Canada.

CSA Group is solely responsible for the content of this Standard, and CSA Group and the funding bodies disclaim any liability in connection with the use of the information contained herein.

This Standard was prepared by the Technical Committee on High-Visibility Safety Apparel under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
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- c) *wording of the proposed change; and*
- d) *rationale for the change.*

CSA Z96:22

High-visibility safety apparel

0 Introduction

0.1 Users

This Standard is intended to be used by high-visibility safety apparel (HVSA) designers, manufacturers, purchasers, and occupational workers.

0.2 Application

This standard is intended for use by HVSA designers, manufacturers, and purchasers, as well as occupational workers across all regions of Canada, to enhance the visibility and safety of workers.

1 Scope

1.1 Inclusions

1.1.1 General

This Standard specifies requirements for HVSA that is

- a) capable of signaling the user's presence visually; and
- b) intended to provide the user with conspicuity in hazardous situations under any light conditions and under illumination by vehicle headlights.

1.1.2 Performance requirements

Performance requirements in HVSA are included for

- a) colour;
- b) retroreflection and minimum areas, as well as for the configuration of the materials;
- c) the physical properties of background materials used in the construction of HVSA; and
- d) conspicuous materials.

Specifies classes of HVSA, minimum areas, and placement of conspicuous materials are also addressed.

Note: *Conspicuity is enhanced by high contrast between clothing and the work environment against which it is seen.*

Test methods are provided in this Standard to ensure a minimum level of visibility is maintained when HVSA is subjected to ongoing care procedures.

This Standard specifies minimum amounts of retroreflective materials, together with colour and requirements for placement of materials, for HVSA used to enhance the visibility and safety of workers. HVSA classes are identified, and appropriate markings for HVSA are recommended.

1.2 Terminology

In this Standard, "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; "should" is used to express a recommendation or that