

## ANSI Z80.1-2015 OVERVIEW

*Michael C. Vitale, ABOM - Technical Director, The Vision Council*

ANSI Accredited Standards Committee (ASC) Z80 has released ANSI Z80.1-2015, Prescription Ophthalmic Lenses – Recommendations. This standard applies to all prescription dress ophthalmic spectacle lenses in edged or assembled form. It is a guideline for entities that fabricate, assemble or process dress eyewear or lens components. Relevant optical and physical specifications and tolerances of this standard also apply to uncut lenses. The Vision Council recommends that all parties that have an interest in the field of prescription ophthalmic optics **purchase a copy from the ANSI webstore**.

This revision supersedes the 2010 Standard and represents five years of work by a team of 22 Industry experts, Chaired by Dick Whitney of Carl Zeiss Vision, Vice Chair Rick Tinson of Hoya Vision Care and Secretary Karl Citek, OD, PhD, representing the American Optometric Association. This important revision includes modifications and additions that have been made to assure that this standard stays current with the latest industry and technology advancements.

This publication includes modifications to several portions of the standard that had not been updated for some time:

- The Scope and Purpose sections were both reworded to better reflect how the committee believes the standard should be used in today's environment.
- The definitions area was reviewed with changes and modifications.
- "Position of Wear" definitions were added in a new annex E for informational purposes, in order to help instruct others on 3 terms commonly used in this area. These terms are becoming more commonplace with growing popularity of newer fabrication technologies and lens designs.
- A further clarification of how tolerances should be applied to compensated lenses was added in the optical requirements section.
- A voluntary permanent lens marking standardized character ( ^ ) was added as a recommendation, to be applied on lenses that contain such compensation.
- Other modifications to the marking guidelines were also made.
- Another new addition to the standard was included in the area of transmittance, where a recommendation for minimum transmittance when driving was added. The new section provides guidance and is intended to harmonize with ANSI Z80.3 requirements in this area.
- Reference to orientation of polarization axis was added.
- The "FDA Impact" guidelines were again included, with an additional sentence added to refer the reader to the specific authoritative source which should be referenced on this topic, the Federal Register.

Should you have any further questions regarding this update, please contact The Vision Councils Technical Director, Michael Vitale via email, [mvitale@thevisioncouncil.org](mailto:mvitale@thevisioncouncil.org).