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Ask the publishers to restore access to 500,000+ books. 2022 Edition of ASCE’s Most Widely Used Standard Revises All Environmental Loads, Including New Chapter for Tornado Provisions and Provides Digital Data for All Hazards Reston, VA — The newly updated ASCE/SEI 7-22 Minimum Design Loads and Associated Criterial for Building and Other Structures is now available. This national standard is the American Society of Civil Engineers’ (ASCE) most widely used standard and is an integral part of building codes in the United States and around the globe. Structural engineers, architects, and those engaged in preparing and administering local building codes will find the 2022 edition of the structural load requirements essential to their practice. “Civil engineers are responsible for the design of the buildings and structures we work, live, and play in every day, and we must ensure those structures are safe for the public,” said Tom Smith, ASCE Executive Director. “With weather hazards becoming more extreme, this updated standard is essential to improve the resilience of our communities.” “For more than 20 years, U.S. building codes have relied on the ASCE 7 standard as the authoritative source for specification of loads and related criteria used by engineers to design safe, economical, and reliable structures. Every six years, hundreds of volunteer professional civil and structural engineers, researchers, building officials, and construction professionals collaborate to update the standard, acknowledging new engineering research, evolving construction techniques, and society’s changing expectations and concerns,” said Ronald Hamburger, P.E., S.E., F.SEI, Senior Principal with Simpson Gumpertz & Heger, Inc., and chair of the ASCE 7-22 committee. “The 2022 edition includes first-ever criteria for tornado-resistant design and substantial improvements to the design criteria for atmospheric icing, earthquake, tsunami, rain, snow, and wind.” The 2022 edition of ASCE 7, which supersedes ASCE/SEI 7-16, provides the most up-to-date and coordinated loading provisions for general structural design. Informed by past events including Hurricane Michael in 2018 and the Joplin Tornado in 2011, this standard prescribes design loads for all hazards including soil, flood, tsunami, snow, rain, atmospheric ice, seismic, wind, and fire, as well as how to evaluate load combinations. ASCE/SEI 7-22 is different from past versions because, for the first time, the digital data is available via open access from the ASCE 7 Hazard Tool so that anyone can view the hazards that are relevant to their local community. Environmental hazards used for building design were all updated, specifically including new wind speeds along the hurricane coastline, improved tsunami run up for highly populated west coast locations, increased accuracy of seismic design criteria, new national snow design data, risk specific atmospheric ice criteria, and a completely new chapter for tornado loads. In addition, ASCE 7-22 modernizes design requirements for cutting edge mass timber systems and composite concrete and steel systems, as well as for big box stores/warehouses, ground mounted solar facilities, and elevated buildings. “The addition of tornado loads represents a nearly decade-long collaboration between NIST and ASCE to significantly advance safety and resilience for buildings at risk of tornado impacts,” said Marc Levitan, Ph.D., A.M.ASCE, of the National Institute of Standards and Technology (NIST), who chaired the ASCE 7-22 Task Committee that developed the new tornado provisions. In addition to the print version of ASCE 7-22 — available as a two-volume paperback set or as a PDF — ASCE 7 Online is a subscription service that provides digital access to ASCE/SEI 7-22, as well as to the previous 2016 and 2010 editions, with enhanced features that make it faster and easier to work in the Standard. Functionality exclusive to ASCE 7 Online includes: side-by-side display of the provisions and commentary; redlining to track changes between editions; real-time updates of supplements and errata; two-level corporate vs. personal annotations; and toggling between Customary and SI unit measurements. Corporate subscriptions are available. For more information, contact . To purchase the print or PDF version of ASCE/SEI 7-22, visit . To subscribe to the ASCE 7 Online digital platform, visit . About the American Society of Civil Engineers Founded in 1852, the American Society of Civil Engineers represents more than 150,000 civil engineers worldwide and is America's oldest national engineering society. ASCE works to raise awareness of the need to maintain and modernize the nation's infrastructure using sustainable and resilient practices, advocates for increasing and optimizing investment in infrastructure, and improve engineering knowledge and competency. For more information, visit www.asce.org or www.infrastructurereportcard.org and follow us on Twitter, @ASCETweets and @ASCEGovRel. SEI is currently accepting proposals to modify the 2022 edition of ASCE/SEI 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures, as the committee prepares for the 2028 revision cycle. The committee will accept public proposals until December 1, 2024. Public proposals are available from SEI Staff via email.

Asce 7 22 hazard tool. Asce 7 22 snow load changes. Asce sei 7 22 pdf. Asce 7 22 significant changes. Asce 7 22 wind speed map. Asce 7 16 vs 7 22. Asce 7 22 load combinations. Asce 7 22 student discount. Asce 7 22 seismic site classification. Asce 7 22 wind load calculator. Asce sei 7 22. Asce 7 22 wind load calculator excel. Asce 7 22 tornado design. Asce 7 22 free download. Asce 7 22 wind importance factor.