

NFPA[®]

102

Standard for
Grandstands, Folding
and Telescopic Seating,
Tents, and Membrane Structures

2021



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Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures

2021 Edition

This edition of NFPA 102, *Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures*, was prepared by the Technical Committee(s) on Assembly Occupancies and released by the Correlating Committee on Safety to Life. It was issued by the Standards Council on October 5, 2020, with an effective date of October 25, 2020, and supersedes all previous editions.

This edition of NFPA 102 was approved as an American National Standard on October 25, 2020.

Origin and Development of NFPA 102

This standard is the result of a committee project inaugurated shortly after the circus fire in Hartford, CT, on July 6, 1944, in which 168 lives were lost.

A committee was organized under the joint sponsorship of the Building Officials Conference of America and the National Fire Protection Association under the procedure of the American Standards Association. As a result of extensive deliberation during the winter of 1944–1945, this committee prepared a draft of a proposed standard, which was submitted at the annual meeting of the National Fire Protection Association in June 1945. This was then printed and sent to all of the members of the association, to a representative group of leaders in the outdoor amusement industry, and to all others who filed requests for copies. As a result, numerous constructive suggestions were received, all duly considered by the committee in several meetings, and the 1946 standard was completed by the committee. It was then adopted by the sponsoring organizations, the National Fire Protection Association, and the Building Officials Conference of America, and approved by the American Standards Association as an American Standard on May 22, 1946.

As a result of circulation and use of the 1946 standard, various proposals were made for revision in the interest of clarification. These were considered by the committee and revisions recommended by the committee and circulated to all concerned for comment, further amended, and adopted by the National Fire Protection Association and the Building Officials Conference of America in 1948; the American Standards Association approved the 1948 edition as an American Standard on January 5, 1949.

In 1949 the committee recommended further changes to include the essential features of an earlier standard on grandstands, Z20.1, which covered certain types of grandstands not covered in the 1946–1948 standard, Z20.2, thus making the continuance of the earlier separate standard unnecessary. The 1949 revision, Z20.3, also made the standard applicable to foldable grandstands in buildings that had not been previously covered. After the usual circulation for comment, the revisions were adopted in 1949 by the sponsors, and the revised text was approved by the American Standards Association as an American Standard on April 5, 1950.

Revised editions of the standard have been prepared by the committee and adopted by the sponsors in 1957, 1966, and 1967. The 1972 edition was a reconfirmation of the 1967 edition.

The 1978 edition was prepared by the Committee on Tents, Grandstands, and Air-Supported Structures and represented a complete revision of the 1972 edition, complete with a new title, *Standard for Assembly Seating, Tents, and Air-Supported Structures*. The means of egress section was coordinated with the provisions of NFPA 101, *Life Safety Code*.

The 1986 edition further coordinated with the *Life Safety Code*. It was prepared by the Technical Committee on Safety to Life through its Subcommittee on Tents and Membrane Structures. Its scope was extended beyond assembly occupancies to include tents and membrane structures used for any occupancy.

The 1992 and 1995 editions deleted all means of egress provisions that were adequately covered by NFPA 101, *Life Safety Code*, so as to avoid redundancy and inconsistencies between the two documents. The 1995 edition was retitled *Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures* to reflect more accurately the scope and contents of the document.

The 2006 edition was the first to be wholly comprised of requirements extracted from NFPA 101, *Life Safety Code*, and NFPA 5000, *Building Construction and Safety Code*. The 2011 edition continued the extract policy.

For future revision cycles, users were advised to submit public proposals on extracted text to the source documents (that is, NFPA 101 and NFPA 5000) and not to NFPA 102.

As with the 2016 edition, the 2021 edition continues the extract policy.

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This list represents the membership at the time the Committee was balloted on the final text of this edition. Since that time, changes in the membership may have occurred. A key to classifications is found at the back of the document.

NOTE: Membership on a committee shall not in and of itself constitute an endorsement of the Association or any document developed by the committee on which the member serves.

Committee Scope: This Committee shall have primary responsibility for documents on the protection of human life from fire and other circumstances capable of producing similar consequences and for the nonemergency and emergency movement of people.