



**International  
Standard**

**ISO 6021**

**Firebrand generator**

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 92, *Fire safety*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

Large outdoor fires present a risk to the built environment. Wildfires that spread into communities, known as wildland-urban interface (WUI) fires, have destroyed communities throughout the world and are a growing problem in fire safety science. Another example of large outdoor fires are large urban fires, including those that can occur after earthquakes. Over the past several decades, fire safety science research has invested a great deal of effort into understanding fire dynamics within buildings. However, research into large outdoor fires, and how to potentially mitigate the loss of structures in such fires, lags behind other areas of fire safety science research. Once a wildland fire reaches a community and ignites structures, structure-structure fire spread can occur under similar mechanisms as in urban fire spread. Firebrand showers are a main driver of fire spread in large outdoor fires but there is no accepted internationally harmonized device for generating firebrand showers. The purpose of this document is to provide a solution for such harmonization. The firebrand generator described in this document is a stand-alone device.

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