

MAURITIAN
STANDARD

MS ISO
25947-5:2017

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**Fireworks – Categories 1, 2 and 3 -
Part 5:
Requirements for construction and
performance**

ICS 71.100.30



**Mauritius Standards Bureau
Moka**

National foreword

This Mauritian Standard is identical with the International Standard **ISO 25947-5:2017**, *Fireworks – Categories 1, 2 and 3 – Part 5: Requirements for construction and performance*. It was adopted by the Mauritius Standards Bureau on the recommendation of the **Chemical and Related Products** Standards Committee through the Subcommittee on Fireworks. It was approved by the **Standards Council** on 31 January 2019 and notified in the Government Gazette on **23 February, 2019**.*

This first edition of MS ISO 25947-5:2017 cancels and replaces the Mauritian Standards MS EN 15947-5:2014.

The following Mauritian Standards are identical to the International Standards, which are referenced in the adopted standard:

| International Standard | Corresponding Mauritian Standard |
|-------------------------------|---|
| ISO 25947-1 | MS ISO 25947-1 , <i>Fireworks – Categories 1, 2 and 3 – Part 1: Terminology</i> |
| ISO 25947-2 | MS ISO 25947-2 , <i>Fireworks – Categories 1, 2 and 3 – Part 2: Categories and types</i> |
| ISO 25947-3 | MS ISO 25947-3 , <i>Fireworks – Categories 1, 2 and 3 – Part 3: Minimum labelling requirements</i> |
| ISO 25947-4 | MS ISO 25947-4 , <i>Fireworks – Categories 1, 2 and 3 – Part 4: Test methods</i> |

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PREVIEW

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 documents 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 264, *Fireworks*.

A list of all parts in the ISO 25947 series can be found on the ISO website.

PREVIEW

Fireworks — Categories 1, 2 and 3 —

Part 5: Requirements for construction and performance

1 Scope

This document specifies requirements for the construction, performance and primary packaging of fireworks of category 1, 2 and 3 of the following types:

- aerial wheels;
- bangers;
- batteries;
- batteries requiring external support;
- Bengal flames;
- Bengal matches;
- Bengal sticks;
- Christmas crackers;
- combinations;
- combinations requiring external support;
- compound fireworks;
- crackling granules;
- double bangers;
- double flash bangers;
- flash bangers;
- flash pellets;
- fountains;
- ground movers;
- ground spinners;
- hand-held sparklers;
- jumping crackers;
- jumping ground spinners;
- mines;
- mini rockets;
- nezumi-hanabi;

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- non-hand-held sparklers;
- novelty matches;
- party poppers;
- rockets;
- Roman candles;
- senko-hanabi;
- serpents;
- shot tubes;
- snaps;
- spinners;
- table bombs;
- throwdowns;
- wheels.

This document does not apply to articles containing pyrotechnic composition that includes any of the following substances:

- arsenic or arsenic compounds;
- hexachlorobenzene;
- mixtures containing a mass fraction of chlorates greater than 80 %;
- mixtures of chlorates with metals;
- mixtures of chlorates with red phosphorus (except when used in Christmas crackers, party poppers, snaps and throwdowns);
- mixtures of chlorates with potassium hexacyanoferrate(II);
- mixtures of chlorates with sulfur (these mixtures are allowed for friction heads only);
- mixtures of chlorates with sulfides;
- lead or lead compounds;
- mercury compounds;
- white phosphorus;
- picrates or picric acid;
- potassium chlorate with a mass fraction of bromates greater than 0,15 %;
- sulfur with an acidity, expressed in mass fraction of sulphuric acid, greater than 0,002 %;
- zirconium with a particle size of less than 40 μm .

This document does not apply for theatrical pyrotechnic articles which are designed for indoor or outdoor stage use, including film and television productions or similar use.