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|  | **STANDARDS ASSOCIATION OF ZIMBABWE** |

DRAFT FOR  **PUBLIC COMMENT**

LATEST DATE FOR RECEIPT OF COMMENTS: **03-02-2025**

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| Our ref: BC 008/1 - D960-3/1Draft Number BC 008/1 - D960-3/1Date: **16-12-2024** |

TECHNICAL COMMITTEE BC 008/1: LPG

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| DRAFT ZIMBABWE STANDARD FORSPECIFICATION FOR THE HANDLING, STORAGE, DISTRIBUTION AND MAINTENANCE OFLIQUEFIEDPETROLEUM GAS IN DOMESTIC, COMMERCIAL, AND INDUSTRIAL INSTALLATIONSPART 3: STORAGE AND FILLING PREMISES FOR REFILLABLE LIQUEFIED PETROLEUM GAS (LPG) CONTAINERS OF GAS CAPACITY NOT EXCEEDING 19 KG AND THE STORAGE OF INDIVIDUALGAS CONTAINERS NOT EXCEEDING 48 KG |

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All comments should be sent to the Committee Secretary **Mr P Chindara** at the address shown below.

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**AMENDMENTS**

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| **No.** | **MD No.** | **Date of Issue** | **Text affected** |
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**Foreword**

This draft Zimbabwe Standard ZWS 960: The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial, and industrial installations: Part 3:: Storage and filling premises for refillable liquefied petroleum gas (LPG) containers of gas capacity not exceeding 19 kg and the storage of individual gas containers not exceeding 48 kg, is based on SANS 10087-7

This standard was prepared by technical committee BC 008: LPG, under the general direction of the Building and Civil Engineering Sector .

First Published ,2012 as ZWS 960 Part 3

First revision, 2024 as ZWS 960 Part 3

ZWS 960 consists of the following parts, under the general title, The handling, storage,

distribution and maintenance of liquefied petroleum gas in domestic, commercial, and industrial

installations:

Part 1 : Liquefied petroleum gas installations involving gas storage containers of

 individual water capacity not exceeding 500 ℓ and a combined water capacity not exceeding 3 000 ℓ per installation.

Part 2 : Liquefied petroleum gas installations involving storage vessels of individual

 water capacity exceeding 500 ℓ.

Part 3 : Storage and filling premises for refillable liquefied petroleum gas (LPG)

 containers of gas capacity not exceeding 19 kg and the storage of individual gas containers not exceeding 48 kg.

This Zimbabwe Standard makes reference to the following standards:

EN 671 : Fixed fire fighting systems – Hose systems

 Part 1 : Hose reels with semi-rigid hose.

SANS 543 : Fire hose reels (with semi-rigid hose).

SANS 1186 : Symbolic safety signs

 Part 1 : Standard signs and general requirements.

SANS 1825 : Gas cylinder test stations – General requirements for periodic inspection

and testing of portable and transportable refillable gas pressure receptacles.

SANS 1910 : Portable refillable fire extinguishers.

SANS 10019 : Transportable containers for compressed, dissolved and liquefied gases –

 Basic design, manufacture, use and maintenance.

SANS 10086 : The installation, inspection and maintenance of equipment used in

 Explosive atmospheres.

 Part 1 : Installations including surface installations on mines.

SANS 10105 : The use and control of fire-fighting equipment

 Part 1 : Portable and wheeled(mobile) fire extinguishers.

 Part 2 : Fire hose reels and above ground hydrants.

SANS 10108 : The classification of hazardous locations and the selection of apparatus

 for use in such locations.

ZWS 960 : The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial, and industrial installations.

 Part 1 : Liquefied petroleum gas installations involving gas storage containers of individual water capacity not exceeding 500 ℓ and a combined water capacity not exceeding 3 000 ℓ per installation.

 Part 2 : Liquefied petroleum gas installations involving storage vessels of individual water capacity exceeding 500 ℓ.

ZWS 965 : Liquefied petroleum gas.

Zimbabwe Model Building By-laws.

ZIMBABWE STANDARD SPECIFICATION

FOR

THE HANDLING, STORAGE, DISTRIBUTION AND MAINTENANCE OF

LIQUEFIEDPETROLEUM GAS IN DOMESTIC, COMMERCIAL,

AND INDUSTRIAL INSTALLATIONS

PART 3: STORAGE AND FILLING PREMISES FOR REFILLABLE

 LIQUEFIED PETROLEUM GAS (LPG) CONTAINERS OF GAS CAPACITY

 NOT EXCEEDING 19 KG AND THE STORAGE OF INDIVIDUAL

GAS CONTAINERS NOT EXCEEDING 48 KG

 (First revision ZWS 960 Part 3:2012)

1. **Scope**

This part of ZWS 960 specifies the minimum requirements for the location and installation of, and operations at, filling premises for the filling of liquefied petroleum gas (LPG) containers of gas capacity not exceeding 19 kg, including the storage of individual gas containers not exceeding 48 kg. It identifies safe methods of filling and storing refillable containers and makes recommendations towards safe working procedures that cover all aspects of the storage of containers.

This part of ZWS 960 also covers the storage of non-refillable containers.

**Note.** The titles of the publications referred to in this standard are listed in the Preface.