

CITY OF JOHANNESBURG METROPOLITAN MUNICIPALITY

EMERGENCY SERVICES BY-LAWS

The Municipal Manager of the City of Johannesburg Metropolitan Municipality hereby, in terms of section 13(a) of the Local Government Municipal Systems Act, 2000 (Act No. 32 of 2000), publishes the Amendments to the Emergency Services By-laws for the City of Johannesburg Metropolitan Municipality as approved by its Council, as set out hereunder.

The By-Laws relating to the Emergency Services as published under Notice No. 826 in Gauteng Provincial Gazette Extraordinary No. 179 dated 21 May 2004, as amended by Notice No.1118 dated 31 August 2011 in Provincial Gazette No. 194 are hereby amended as described below.

AMENDMENTS TO TABLE OF CONTENTS

1. (1) Insertion of a heading after heading 7 –
 - a. *“8. Submission of plans”*
 - b. Hereafter all subsequent heading numbers are sequentially renumbered.
- (2) Heading 13 - Insertion of words *“in commercial kitchens”* after *“Requirements for extractor fan systems”*.
- (3) Insertion of new headings after heading 13 –
 - a. *“14. Requirements for smoke control”*
 - b. *“15. Requirements for detection and alarm systems”*
 - c. *“16. Requirements for emergency lighting”*
 - d. *“17. Requirements for emergency signage”*
 - e. Hereafter all subsequent heading numbers are sequentially renumbered.
- (4) Heading 18 – deletion of the words *“emergency exits”* and the insertion of the words *“escape routes”* after *“Requirements for”*.
- (5) Insertion of new heading after heading 18 –
 - a. *“19. Requirements for fire doors and assemblies”*
 - b. Hereafter all subsequent heading numbers are sequentially renumbered.
- (6) Insertion of new heading after heading 21 –
 - a. *“22. Occupation of buildings”*
 - b. Hereafter all subsequent heading numbers are sequentially renumbered.
- (7) Insertion of a new Part 5 heading in Chapter 1 between sections 31 and 32 –
 - a. *“Part 5: Public Events”*
 - b. Hereafter all subsequent part numbers are sequentially renumbered.

- (8) Insertion of new headings after heading 31 –
 - a. “32. *Notification required of Public Event*”
 - b. “33. *Temporary structures, exhibition halls and stands at public events*”
 - c. Hereafter all subsequent heading numbers are sequentially renumbered.
- (9) Heading 52 - Deletion of words “*motor vehicle*” after the word “*certain*”
- (10) Insertion of new heading after heading 70 –
 - a. “70A. *Storage in open air*”
- (11) Insertion of new heading after heading 87 –
 - a. “87A. *Recognition of transport permits issued by other Local Authorities*”
- (12) Insertion of new heading after heading 103 –
 - a. “104. *Spray cabinets or enclosures*”
 - b. Hereafter all subsequent heading numbers are sequentially renumbered.
- (13) Insertion of new heading after heading 107 –
 - a. “108. *Chief fire officer*”
 - b. Hereafter all subsequent heading numbers are sequentially renumbered.
- (14) Heading 98 – deletion of the words “*Instructions by* ” and the insertion of the words “*Powers of Designated Officers and* ” before the word “*members*”.
- (15) Schedule 4 – deletion of the abbreviation “SABS” and the insertion of the abbreviation “SANS” before “*CODES OF PRACTICE AND SPECIFICATIONS*”

AMENDMENTS TO SECTION 2 –

Definitions and Interpretation

- 1. (1) Section 2(1) – “*above ground storage tank*”
 - a. Deletion of the abbreviation and code “SABS 0131” and the insertion of the abbreviation and code “SANS 10131”.
 - b. All further reference to “SABS 0131” shall be replaced with “SANS 10131” throughout the by-law.
 - c. Deletion of the abbreviation and code “SABS 089” and the insertion of the abbreviation and code “SANS 10089”.
 - d. All further reference to “SABS 089” shall be replaced with “SANS 10089” throughout the by-law.
 - e. Deletion of the abbreviation and code “SABS 087” and the insertion of the abbreviation and code “SANS 10087”.
 - f. All further reference to “SABS 087” shall be replaced with “SANS 10087” throughout the by-law.

(2) Section 2(1) –

- a. Insertion of the definition “*animal*” after the definition of “*agricultural holding*”–

“animal” means any animal that is kept for domestic or agricultural purposes;”.

(2) Section 2(1) – “*building*”

- a. In paragraph (d) insertion of the word “*or*” after the words “*in paragraph (a), (b) or (c);”* .
- b. In paragraph (e) insertion of the letter “*s*” after the word “*system*”.

(2) Section 2(1) – “*bulk depot*”

- a. Insertion of the word “*total*” before the word “*capacity*”.
- b. Replace the word “*and*” with the word “*or*” before “*81m³*”.

(3) Section 2(1) – “*bund wall*”

- a. Deletion of the words “*an impervious material*” and the insertion of the words “*suitably sealed solid masonry or concrete*”.

(4) Section 2(1) – “*class*”

- a. Insertion of the words “*as related to flammable substances*” before the words “*means a class*”.
- b. Deletion of the word “*petroleum*” after “*a class of*”.

(5) Section 2(1) –

- a. Insertion of the definition “*Class 1, 2, 3, 4, 5, 6, 7, 8 or 9 dangerous goods*” after the definition of “*Class*” –

“ “class 1, 2, 3, 4, 5, 6, 7, 8 or 9 dangerous goods” means Class 1, 2, 3, 4, 5, 6, 7, 8, or 9 dangerous goods, as the case may be, as contemplated in the SANS 10228;”.

(6) Section 2(1) – “*combustible liquid*”

- a. Insertion of the words “*but below 93 °C*” after the word “*above*”.

(7) Section 2(1) –

- a. Insertion of the definition “*commercial kitchen*” after the definition of “*combustible liquid*”–

““commercial kitchen” means any room, area, space or facility used to produce, prepare or provide foodstuffs for which payment is either expected or made in a currency, monetary value or other consideration;”.

(8) Section 2(1) –

- a. Insertion of the definition “*competent person – fire engineering*” after the definition of “*competent person*”–

“ *competent person – fire engineering*” means a person who -

(a) *is registered in terms of the Engineering Profession Act, Act No. 46 of 2000, as a Professional Engineer or Professional Engineering Technologist, and*

(b) *is generally recognised as having the necessary experience and training to undertake rational assessments or rational designs in the field of fire engineering;”.*

(9) Section 2(1) –

- a. Insertion of the definition “*consumer fireworks*” before the definition of “*Council*”–

““*consumer fireworks*” means fireworks in Class 1.4G UN Number 0336 and 1.4S UN Number 0337, suitable and intended for use by persons within the boundaries of their private properties;”.

(10) Section 2(1) – “*dangerous goods*”

- a. Deletion of the words “*flammable gas, flammable liquid or flammable solid as contemplated in*” and the insertion of the words “*goods that are capable of posing a significant risk as listed in*” after the words “*means any*”.
- b. Deletion of the abbreviation and code “*SABS 0228*” and the insertion of the abbreviation and code “*SANS 10228*” .
- c. All further reference to “*SABS 0228*” shall be replaced with “*SANS 10228*” throughout the by-law.

(11) Section 2(1) –

- a. Insertion of the definition “*designated officer*” after the definition of “*dangerous goods*”–

““*designated officer*” means a member of service appointed as a law enforcement officer;”

(12) Section 2(1) –

- a. Insertion of the definition “*division*” after the definition of “*designated officer*”–

” “division” means a portion of a building separated from the remainder of the building by one or more separating elements having a fire resistance;”.

(13) Section 2(1) –

- a. Insertion of the definition *“emergency signage”* after the definition of *“emergency route”*–

” “emergency signage” means any sign indicating a means of escape, fire equipment, mandatory action or prohibition and may be pictorial or in writing subject to the conditions contained in relevant national standards;”.

(14) Section 2(1) – *“enclosed place”*

- a. Deletion of definition for *“enclosed place”*.

(15) Section 2(1) – *“escape door”*

- a. Deletion of the words *“any door at the end of an emergency route and includes any door providing entrance to, or exit from, a building”* and the insertion of the words *“any door in an escape route which, at ground level, leads to a street or public place or to any approved open space which leads to a street or public place;”* after the word *“means”*.

(16) Section 2(1) – *“escape route”*

- a. Deletion of the words *“to the furthest point in any room in a building”* and the insertion of the words *“the furthest point in any room in a building to;”* after the words *“measured from”*.

(17) Section 2(1) –

- a. Insertion of the definition *“exit door”* after the definition of *“escape route”*–

” “exit door” means any door that is a component of an escape route from any room;”.

(18) Section 2(1) – *“fire damper”*

- a. Deletion of the abbreviation and code *“SABS 193”* and the insertion of the abbreviation and code *“SANS 193”*.
- b. All further reference to *“SABS 193”* shall be replaced with *“SANS 193”* throughout the by-law.

(19) Section 2(1) – *“fire-fighting equipment”*

- a. Insertion of the words “*and includes a service installation;*” after the words “*fire hydrant*”.

(20) Section 2(1) –

- a. Insertion of the definition “*fire protection plan*” after the definition of “*fire installation*” –

“fire protection plan” means a plan as contemplated in regulation A9 of the National Building Regulations and Building Standards Act; 1997 (Act No. 103 of 1977).”

(21) Section 2(1) – “*flammable liquid*”

- a. Replace the definition of “*flammable liquid*” with the definition
““flammable liquid” means a liquid which has a closed-cap flash point of below 38°C and shall include a combustible liquid;”

(22) Section 2(1) – “*Group I, II, III, V, VI, VIII and IX hazardous substances*”

- a. Deletion of definition for “*Group I, II, III, V, VI, VIII and IX hazardous substances*”.

(23) Section 2(1) –

- a. Insertion of the definition “*Head: Municipal Disaster Management Centre*” before the definition of “*liquefied petroleum gas*” –

““Head: Municipal Disaster Management Centre” means the Head: Municipal Disaster Management Centre appointed by the Council in terms of section 45 of the Disaster Management Act, 2002 (Act no. 57 of 2002).”

(24) Section 2(1) – “*liquefied petroleum gas*”

- a. Replace the definition of “*liquefied petroleum gas*” with the definition -

““liquefied petroleum gas (LPG)” means commercial butane, commercial propane, or a mixture of light hydrocarbons (predominantly propane, propene, butane and butene) that is gaseous under conditions of ambient temperatures and pressure, and that is liquefied by an increase of pressure or a lowering of temperature;”

- b. All further reference to “*liquefied*” shall be replaced with “*liquefied*” throughout the by-law.

(25) Section 2(1) –

- a. Insertion of the definition “*major hazard installation*” before the definition of “*member*”–

““major hazard installation” means a major hazard installation as defined in the Occupational Health and Safety Act, 1993 (Act No 85 of 1993);”.

(26) Section 2(1) – “*prescribed fee*”

- a. Deletion of the words “*by resolution in terms of section 10G(7)(a)(ii) of the Local Government Transition Act, 1993 (Act No. 209 of 1993), or any other applicable legislation,*” .
- b. Insertion of the words “*in terms of the Municipal Management Finance Act, 2003 (Act No. 56 of 2003), or any other applicable legislation*” after the words “*by the Council*” .

(27) Section 2(1) – “*population*”

- a. Insert the definition of “*population*” before the definition of “*public gathering*” –

““population” means the actual population, where known, or if not known the population as determined in the National Building Regulations and Building Standards Act;”.

(28) Section 2(1) –

- a.” Insertion of the definition “*rational design*” after the definition of “*pyrotechnist*”–

““rational design” means any design by a competent person involving a process of reasoning and calculation and which may include a design based on a standard or other suitable document;”.

(29) Section 2(1) – “*SABS*”

- a. Deletion of the words and numbers “*No. 29 of 1993, and SABS followed by any number means a reference to a SABS code of practice, specification or standard of the corresponding number,*”
- b. Insertion of the words and numbers “*2008 (Act No. 8 of 2008);”* after the words “*Standards Act,*” .

(30) Section 2(1) – Insertion of the definition “SANS” after the definition of “SABS”–

a. Insertion of the definition “SANS” after the definition of “SABS”–

” “SANS” means South African National Standard and followed by any number means a reference to a SANS code of practice, specification or standard of the corresponding number, if the reference is dated only that edition applies, if not, the most recent edition applies;”.

(31) Section 2(1) – “service installation”

- a. Deletion of the word “and” after the words “safety sign”.
- b. Insertion of the words “and any other equipment that may influence the effectiveness of the aforementioned” after the words “door assembly”.

(32) Section 2(1) – “spray”

- a. Deletion of the word “hazardous” and the insertion of the word “flammable” before the word “substance”.

(33) Section 2(1) –

- a. Insertion of the definition “temporary structure” after the definition of “storeroom”–

“ “temporary structure” means any structure or building including but not limited to any tent, marque, gazebo or stage, that is being used or intended to be used for a specific purpose and for a specified limited period of time, not exceeding 6 months;”.

(34) Section 2(1) – “vegetation”

- a. Insertion of the words “any other plant material “ after the word “and”.

AMENDMENTS TO SECTION 3 –

Certain fires prohibited

(1) Section 3 –

Deletion of the word “animal” in section 3;”.

(1) Section 3(4) (a) –

Insertion of the word “or” after the word “*structure*”.

(1) Section 3(4) (b) –

Insertion of the words “or premises” after the word “*premises*”.

AMENDMENTS TO SECTION 4 –

Storage and accumulation of combustible material prohibited

(1) Section 4 –

a. Section 4(1) Deletion of the word “*animal*” after the word “*person*”;

b. Insertion of a new sub-section after sub-section 4 (1)–

“(2) *Where any combustible material including but not limited to wood, waste paper or plastic or organic materials are stored outside a building, such materials shall be piled or stacked in a safe manner, and where such pile or stack is in excess of 8m³ it shall be positioned so that -*

(a) such stack or pile:

- (i) is not closer than 6 meters to any building;*
- (ii) is not closer than 3 meters to any boundary;*
- (iii) does not exceed 4 meters in height;*
- (iv) does not exceed 18m² in area;*
- (v) are separated by a clear path of at least 1.5m wide between stacks or piles*
- (vi) does not exceed 9 per group and that a clear path of at least 6m separates each group;*

(b) the areas between stacks or piles and other stacks or piles including areas to boundary walls are kept free of obstructions and overgrown vegetation.”

c. Hereafter all subsequent subsection numbers are sequentially renumbered.

AMENDMENTS TO SECTION 7 –

Safety fire-breaks required

(1) Section 7(4)(b) Insertion of the words “*such assistance will be at the sole discretion of Chief Fire Officer and based on the exigencies of service*” after the word “*fee*”.

AMENDMENTS TO SECTION 8 –

Submission of plans

(1) Section 8 -

a. Insertion of a new section after section 7.

“Submission of plans

8. (1) *Where required by the Chief Fire Officer or any other relevant legislation any persons who -*

(a) *erects a new building; or*

(b) *alters an existing building whereby such alteration -*

(i) *increases the occupancy load, or*

(ii) *increases the escape travel distance, or*

(iii) *decreases the amount of, or capacity of any escape route, or*

(iv) *affects the positioning and coverage of fire fighting equipment, or*

(v) *necessitates the installation of additional fire fighting equipment; or*

(c) *alters a building that was the subject of a Rational Design; or*

(d) *changes the Occupancy classification of a building;*

shall submit fire protection plans for comment, in a form complying with the National Building Regulations and Building Standards Act, and any other documents as may be required by the Chief Fire Officer, in a manner as determined by the Council and pay the prescribed fee.

(2) *No plan, except for a plan regarded by the Building Control Officer to be that of “minor building work”, shall be accepted for comment unless the official certification of submission to the Building Control Officer appears on it.*

(3) *Every occupancy and/or building shall be classified according to the National Building Regulations and Building Standards Act and in the event of any dispute relating to such classification and the corresponding fire protection requirements, the occupancy classification and the corresponding fire protection requirements determined by the Chief Fire Officer shall be final.*

(4) *Any deviation from the supported fire protection plan submitted in terms of sub section (1), whereby such deviation as assessed by the Chief Fire Officer, significantly -*

(i) *increases the occupancy load, or*

(ii) *increases the escape travel distance, or*

(i) *decreases the amount of, or capacity of any escape route, or*

(ii) *affects the positioning and coverage of fire fighting equipment, or*

or

(v) *necessitates the installation of additional fire fighting*

equipment,
shall require a resubmission of the complete fire protection plan and related documents for the affected floor, division or building as required by the Chief Fire Officer, at a rate of half of the prescribed fee for new submissions.

- (5) *A fire protection plan bearing the official stamp of the department does not absolve the owner from the need to take any such reasonable steps as determined by the department during the design, construction and handover phases up to final occupancy being issued to correct any deficiencies in the original design."*

- b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 9 –

Design and construction of buildings

- (1) Section 9(1) (d) -

- a. Deletion of the abbreviation and code "SABS 0400" and the insertion of the abbreviation and code "SANS 10400" .
- b. All further reference to "SABS 0400" shall be replaced with "SANS 10400" throughout the by-law.
- c. Insertion of the letter "S" after the letter "T".

- (2) Section 9(3) –

- a. Insertion of the words "*,unless such building has undergone a change of occupancy or alterations and additions which was not approved on plan.*" after the word "By-laws".

AMENDMENTS TO SECTION 11 –

Design and construction of other structures and sites

- (1) Section 11(1) –

- a. Replace paragraph (f) with the following paragraph "*any tent, marque, gazebo or similar structure exceeding 250m², erected at or used for holding a public event;*".
- b. Replace paragraph (g) with the following paragraph "*any building where the travel distance exceeds 45 metres when measured from any point in the premises to any escape door or exit door;*".

- c. Insertion of new paragraph after paragraph (g)

"(h) any other building or structure which in the opinion of the Chief Fire Officer cannot be adequately addressed without a rational design.;"

(2) Section 11(2) -

- a. Changing of the word “hanger” with the word “hangar”

(3) Section 11 -

- a. Insertion of the subsection (3) after subsection (2) -

“(3) Every person who designs, constructs or erects any advertising board, screen or similar structure against or in close proximity to any building must ensure that it -

(a) does not obstruct an escape route;

(b) does not prohibit access for fire fighting or rescue purposes;

(c) does not present a hazard as regard to fire spread between divisions or buildings; and

(d) does not negatively influence the ventilation of products of combustion from such building.”

AMENDMENTS TO SECTION 12 –

Requirements for sprinkler systems

(1) Section 12(1) –

- a. Deleting the Roman numerals “III” and inserting the number “3” after the abbreviation and code “SABS 087 (Part “.
- b. Deleting the Roman numeral “I” and inserting the number “1” after the abbreviation and code “SABS 089 (Part “.

(2) Section 12(2) (a) –

- a. Deletion of the abbreviation and code “SABS 0287” and the insertion of the abbreviation and code “SANS 10287” .
- b. All further reference to “SABS 0287” shall be replaced with “SANS 10287” throughout the by-law.
- c. Insertion of the letter “S” after the letter “T”.

(2) Section 12(2) (b) –

- a. Insertion of the letter “S” after the letter “T”.
- b. Insertion of the word “;and” after the word “protection”.
- c. Insertion of subsections (c) and (d) after subsection (b) -

*“(c) is maintained in accordance with SANS 10287; and
(d) the installation is inspected annually by a competent person and that a certificate of acceptability is available for inspection on site.”.*

AMENDMENTS TO SECTION 13 –

Requirements for extractor fan systems in commercial kitchens

- (1) Section 13(1) (a) -
 - a. Deletion of the words “*a manner that provides for*”.
 - b. Insertion of the words “*compliance with SANS 1850 and is provided with*” after the words “*installed in*”.
- (2) Section 13 -
 - a. Insertion of subsections (3) and (4) after subsection (2) -
 - “(3) *Every owner of a building shall maintain records of the work done as required in subsection (2) and shall provide these to the Chief Fire Officer on request.*
 - “(4) *Commercial kitchens where only normal household equipment, as found in an average dwelling house, is used shall not be subject to subsection (1)(a).”.*

AMENDMENTS TO SECTION 14 –

Requirements for smoke control

- (1) Section 14 -
 - a. Insertion of a new section after section 13 -
 - “Requirements for smoke control**
- 14.(1) *Any division exceeding 500m² shall be provided with a suitable means of ventilating the by-products of combustion, be it automatic powered or natural ventilation complying with the provisions of SANS 10400.*
- (2) *Every person who designs, constructs or installs a smoke control system, and every owner of a building in which such a system is installed must ensure that–*
 - (a) the equipment is maintained in terms of the manufacturers specification; and*
 - (b) the equipment is inspected annually by a competent person and that a certificate of acceptability is available for inspection on site.”.*
- b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 15 –

Requirements for Detections and Alarm System

(1) Section 15 -

a. Insertion of a new section after section 14 -

“Requirements for Detections and Alarm System

15. (1) *If a Detection and Alarm System is required in any building in accordance with SANS 10400 or if the Council so requires, the owner of the building must ensure that the building is equipped with a Detection and Alarm System.*
- (2) *Every person who designs, constructs or installs a Detection and Alarm System, and every owner of a building in which such a system is installed must ensure that–*
- (a) the system is designed in accordance with SANS 10139*
 - (b) the equipment is maintained in terms of the manufacturers specification; and*
 - (c) the equipment is inspected annually by a competent person and that a certificate of acceptability is available for inspection on site.*
- (3) *All occupancies classified H1,H2,E1,E2, or E3 shall have an approved detection system installed, in accordance with SANS 10139.*
- (4) *All occupancies classified H3,H4,H5 or E4 in addition to complying with requirements of SANS 10400, shall be fitted with a suitable smoke alarm that is certified by a recognised testing authority with their mark (either SABS, UL, CE, or similar), and that is audible in all areas within the building unit, as follows:*
- (a) in each separate sleeping room; and*
 - (b) in any kitchen area; and*
 - (c) at a central point in a passage or corridor leading to one or more sleeping rooms.”.*

b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 16 –

Requirements for Emergency Lighting

(1) Section 16 -

a. Insertion of a new section after section 15 -

“Requirements for Emergency Lighting

16. (1) *If Emergency Lighting is required in any building in accordance with SANS 10400 or if the Council so requires, the owner of the building must ensure that the building is equipped with Emergency Lighting.*
- (2) *Every owner of a building in which emergency lighting is installed shall ensure that*

- a. *it is designed, installed and maintained in accordance with SANS 10114 part 2; and*
 - b. *it is tested quarterly and a logbook indicating such tests is available for inspection onsite.*
- (3) *Notwithstanding the requirements of subsection (1) any building trading during hours of darkness (18:00-06:00) shall be equipped with emergency lighting."*
- b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 17 –

Requirements for Emergency Signage

- (1) Section 17 -
 - a. Insertion of a new section after section 16 -

“Requirements for Emergency Signage

- 17. (1) *If Emergency Signage is required in any building in accordance with SANS 10400 or if the Council so requires, the owner of the building must ensure that the building is equipped with Emergency Signage.*
- (2) *Every owner of a building in which Emergency Signage is installed shall ensure that -*
 - a. *it is designed, installed and maintained in accordance with SANS 1186 and SANS 10114 part 2 as applicable; and*
 - b. *notwithstanding the requirements of SANS 1186, each sign shall be securely mounted without the use of adhesives; and*
 - c. *it is inspected monthly and a logbook indicating such inspections is available for inspection onsite."*
- b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 18 –

Requirements for escape routes

- (1) Section 18(1) -
 - a. Insertion of a new subsection (1) -
- “(1) Every owner of a building must ensure that the building, when occupied, has sufficient means of escape complying with the requirements of the SANS 10400.”.*
- b. Hereafter all subsequent section numbers are sequentially renumbered.
- (2) Section 18(2) (a)–
 - a. Deletion of the word “and” after the word “escape;”.
- (3) Section 18(2) (b) –

a. Insertion of the word “and” after the word “exit”.

(4) Section 18(2) -

a. Insertion of a new subsection (c) after subsection (b) -

“(c) *is equipped with a panic bar or similar device in accordance with SANS 10400, if the occupancy of the building is A1, A2, A3, A4, C1, C2, E2, E3, F1, F3, H1, H2 or J1.*”

(2) Section 18(5) –

a. Deletion of the words “or animal” after the word “person”.

(3) Section 18(1) –

a. Insertion of new subsections (6), (7) and (8) after subsection (5) -

“(6) *Every owner of a building must ensure that any exit door from an occupancy classified A1, A2, A3, A4 and A5 shall be provided with a panic bar or similar device if the population exceeds 60 persons.*

(7) *Notwithstanding subsection (5), provision shall be made where security gates are used along escape routes, to lock such gates in the open position while the premises are occupied and such gates shall not cause an escape route to be less effective.*

(8) *Every owner of a building must ensure that the occupancy load as determined by the amount and widths of escape routes, as indicated on the approved building plans, are not exceeded.”.*

b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 19 –

Requirements for fire doors and fire shutters

(1) Section 19 -

a. Insertion of a new section after section 18 -

“Requirements for fire doors and fire shutters

19.(1) *If separating element, fire doors or fire shutters are required in any building in accordance with SANS 10400 or if the Council so requires, the owner of the building must ensure that the building is equipped with such separating element, fire doors or fire shutters.*

(2) *Subject to the provisions of SANS 1253, a fire door or fire shutter must be maintained in such a manner that in the event of a fire it retains its integrity, insulation and stability for the time period required for that particular class of door or fire shutter.*

(3) *A fire door may be kept open, only when it is equipped with a suitable automatic releasing hold-open device certified by a recognised testing authority with their mark (either SABS, UL, CE, or similar).*

- (4) *A fire door or fire shutter may not be rendered less effective through the following actions —*
- (a) *altering the integrity, insulation or stability of a particular class of door or fire shutter;*
 - (b) *disconnecting the self-closing mechanism;*
 - (c) *wedging, blocking or obstructing the door or fire shutter so that it cannot close;*
 - (d) *painting the fusible link actuating mechanism of a door or fire shutter;*
 - (e) *disconnecting or rendering less effective an electric or electronic release mechanism, or*
 - (f) *any other action that renders a fire door or fire shutters less effective.*
- (5) *No person may remove, deface or alter the door, frame or fire shutter identification plate.*
- (6) *No owner or occupier of a building may alter any separating element in any way that may render it less effective, or to allow flame, heat or combustion products from penetrating into the adjacent division or occupancy.”.*

b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 20 –

Design, identification and access for fire-fighting and rescue purposes

- (1) Section 20(1) (b)–
- a. Deletion of the word “*dimensions*”.
 - b. Insertion of the words “*a clear height and width of 5 meters*” after the word “*with*”.
- (2) Section 20(1) (c)–
- a. Replace paragraph (c) with the following paragraph:
- “ (c) *where a building is setback more than 45 meters from a street or access road or exceeds 9 meters in height and is setback more than 15 meters, there is a climate-proof and weather-proof parking surface for parking and operating emergency vehicles and equipment in an emergency -*
- (i) *of dimensions at least 10 metres wide;*
 - (ii) *that runs the full length of the side elevation of the building that borders the surface; and*
 - (iii) *with a vehicle carrying capacity of at least 50 metric tons or as determined by the Chief Fire Officer; and”.*
- (4) Section 20(1) (d) –
- a. Insertion of the words “*approved in writing by the Chief Fire Officer*” after the word “*premises*”.
 - b. Replace the word “*same*” with “*prescribed*”.

(5) Section 20(1) -

a. Insertion of a new paragraph (e) and (f) after paragraph (d) -

“(e) no emergency vehicle is required to reverse for a distance exceeding 50 meters before being able to turn around.

“(f) if the premises does not allow for (e), provide a turning circle or “hammer head”, as prescribed by the Chief Fire Officer, for the sole purpose of facilitating emergency vehicles to turn around.”.

(6) Section 20 -

a. Insertion of a new subsection (2) after subsection (1) -

“(2) No person may park a vehicle or allow a vehicle to park or cause any other obstruction which will prohibit the use of the access road or areas required in subsection (1)”.

b. Hereafter all subsequent subsection numbers are sequentially renumbered.

AMENDMENTS TO SECTION 21 –

Barricading of vacant buildings

(1) Section 21(b) –

a. Insertion of the word “and” after the word “person;”

(2) Section 21–

a. Insertion of new paragraph (c) after paragraph (b) -

“(c) maintain all fire equipment as contemplated in sections 12, 14, 19 and 23.”.

AMENDMENTS TO SECTION 22 –

Occupation of buildings

(1) Section 22 -

a. Insertion of a new section after section 21 -

“Occupation of buildings

“22.(1) No person may occupy or allow a building to be occupied where in the opinion of the Chief Fire Officer , the safety of persons are compromised by failing to comply with sections 12, 14, 15, 16, 17, 18, 19.”.

b. Hereafter all subsequent section numbers are sequentially renumbered.

AMENDMENTS TO SECTION 23 –

Installation and maintenance of fire-fighting equipment

(1) Section 23(1) (b) -

- a. Deletion of the abbreviation and code “SABS 0105” and the insertion of the abbreviation and code “SANS 10105” .
- b. All further reference to “SABS 0105” shall be replaced with “SANS 10105” throughout the by-law.
- c. Deletion of the abbreviation and code “SABS 1475” and the insertion of the abbreviation and code “SANS 1475” .
- d. All further reference to “SABS 1475” shall be replaced with “SANS 1475” throughout the by-law.

(2) Section 23(1) (d) -

- a. Insertion of the words “*shall upon request be furnished to the*” before the words “*Chief Fire Officer*”.
- b. Deletion of the words “*every 12 months*” after the words “*Chief Fire Officer*”.

(3) Section 23(2) (b) -

- a. Insertion of the words “*and include*” at the end of subsection (2) (b) .
- b. Insertion of new subparagraph (i) and (ii) under subsection (2)(b) -

- “(i) *a timetable acceptable to the Chief Fire Officer for the completion of such repair work; and*
(ii) *measures taken to mitigate any increased risk to life and property.*”.

(4) Section 23(4) -

- a. Insertion of the words “*obstruct*” after the word “*misuse*” .

AMENDMENTS TO SECTION 24 –

Chief Fire Officer may designate premises for emergency evacuation plans

(1) Section 24(1) -

- a. Insertion of the words “*or Head: Municipal Disaster Management Centre*” after the word “*officer*”.

(2) Section 24 -

- a. Insertion of a new subsection (2) -

- “(2) *Any premises with a population exceeding 25 and classified as A1, A2, A3, E2, E3, H1, H2, in terms of Regulation A20 of the National Building Regulations and Building Standards Act, or contains such an occupancy which is deemed a designated premises.*”

- b. Hereafter all subsequent subsection numbers are sequentially renumbered.

(3) Section 24(3) -

- a. Insertion of the word “be” before the word “addressed”

AMENDMENTS TO SECTION 25 –

Duties of owner or occupier of designated premises

(1) Section 25 -

- a. Replace section 25 with the following section:

“25. (1) The owner, or with the approval of the Chief Fire Officer or Head: Municipal Disaster Management Centre, the occupier, of any premises designated in terms of section 24 must -

- (a) prepare a comprehensive emergency evacuation plan and procedures for the premises in accordance with the guideline contained in Schedule 1 within 30 days of the commencement of these By-laws or within 30 days of receipt of a notice issued in terms of section 24(3);*
- (b) establish an emergency preparedness committee comprised of occupiers of the premises to assist the owner or occupier to develop emergency procedures and perform regular and scheduled emergency simulations and evacuation drills;*
- (c) ensure that the emergency evacuation plan is reviewed-*
 - (i) at least every 12 months;*
 - (ii) whenever the floor layout of the premises is changed; and*
 - (iii) whenever the Chief Fire Officer or Head: Municipal Disaster Management Centre requires revision of the plan;*
- (d) ensure that an up-to-date emergency evacuation plan and records of any related fire protection programmes, emergency simulations or evacuation drills with related documents are kept, maintained and all times available in a control room or other acceptable place, on the premises for inspection by any member of the Service; and*
- (e) identify a place of safety off the designated premises, but in the immediate vicinity of the premises, where persons who visit, reside or work on the premises may gather during an emergency for the purpose of compiling a list of persons not accounted for.*

(2) The Chief Fire Officer or Head: Municipal Disaster Management Centre may in respect of premises designated in terms of section 24-

- (a) require the review of any emergency evacuation plan and procedures by the owner or occupier and may provide directions in this regard;*
- (b) instruct the owner or occupier to implement a fire protection program and procedures that the Chief Fire Officer or Head: Municipal Disaster Management Centre believes is necessary to ensure the safety of persons and property on the premises; and*
- (c) require the owner or occupier to provide the Chief Fire Officer or Head: Municipal Disaster Management Centre with a certified copy of the*

emergency evacuation plan, emergency procedures and any associated documents at a specified time and place.”.

AMENDMENTS TO SECTION 29 –

Form and content of certificate of fitness

- (1) Section 29 -
 - a. Replace the words “*each occupier*” in paragraph (a) with the words “*the owner*”.
 - b. Replace paragraph (b) with the following paragraph:

“*(b) type of activities allowed;*”.
 - c. Delete paragraph (c) and hereafter all subsequent paragraphs are sequentially renumbered.
 - d. Insertion of the words in paragraph (c) “*at any one time*” after the word “*admitted*”.

INSERTION OF SECTION 32 AND 33 –

- (1) a. Insertion of new sections after section 31 -

“Notification required of Public Event

32. (1) *No person may hold a public event or allow a public event to be held unless the Chief Fire Officer has been notified of such an event and such premises complies with these by-laws.*

(2) The Chief Fire Officer may prescribe any such additional conditions as deemed necessary in respect of the safety of persons attending the event.

(3) The requirement to notify the Chief Fire Officer in subsection (1) does not apply in respect of events where the expected spectators or persons does not exceed 500

Temporary structures, exhibition halls and stands at public events

- 33. (1) *Any person intending to erect a temporary structure for the use of, including but not limited to, seating, hospitality areas, kitchens and exhibition space shall at least 14 days before the erection of the temporary structure submit to the Chief Fire Officer:*
 - (a) *Site layout drawing indicating:*
 - (i) *surrounding structures and their use;*
 - (ii) *distances between structures;*
 - (iii) *site access for emergency use;*

- (iv) *areas identified for parking of vehicles;*
 - (v) *areas identified for use by the public to cook food be it with gas or open flame, either before, during or after the event;*
 - (vi) *areas identified for services including but not limited to LPG storage, LPG manifolds or generators.*
 - (vii) *all fencing or barricading including widths of any openings and gates in such fencing or barricading;*
 - (viii) *type of surface on which structure is to be erected; and*
 - (ix) *any other information as may be required.*
- (b) *Detailed drawings of temporary structures, including elevations and sections where required, indicating:*
- (i) *intended use of structure;*
 - (ii) *size of structure;*
 - (iii) *capacity of structure;*
 - (iv) *all emergency exits, including effective width of opening;*
 - (v) *all escape routes;*
 - (vi) *position, type and size of fire equipment;*
 - (vii) *position type and size of emergency signage;*
 - (viii) *position of electrical cabling and means of fixing;*
 - (ix) *position of,including but not limited to, stages, screens, sound and lighting trusses, tables and chairs*
 - (x) *type of flooring used if any;*
 - (xi) *type and position of any draping, wall or floor covering;*
 - (xii) *anchor points of,including but not limited to, any ropes and flaps; and*
 - (xiii) *any other information as may be relevant.*
- (2) *Distances between temporary structures, and temporary structures and permanent structures shall comply with the requirements of SANS 10400.*
- (3) *All distances shall be measured from the nearest component of the temporary structure including guy ropes, pegs, or other fixing points and support structures.*
- (4) *Temporary structures may not render any existing escape route less effective, or obstruct any fire equipment or emergency signage.*
- (5) *All fencing whether used to guide persons or restrict access will be provided with suitable means of allowing emergency evacuation to the satisfaction of the Chief Fire Officer.*
- (6) *Temporary structures that might be occupied during hours of darkness (18:00-06:00) shall be provided with emergency lighting compliant with section 16.*
- (7) *Electrical cabling may not;*
- (a) *pass underneath any marquee side sheeting or similar sheeting unless it is buried below ground level; or*
 - (b) *be within 500mm from any marquee side sheeting or similar sheeting; or*
 - (c) *pass in front of any emergency exit.*
- (8) *No open flame, flame emitting device or firework may be used inside or within 6 meters of a temporary structure without the written permission of the Chief Fire Officer.*
- (9) *No heat generating device shall be fixed to any combustible material.*

- (10) *No vehicles shall be parked within 6 meters of a temporary structure without the written permission of the Chief Fire Officer.*
- (11) *Any vehicle used for display purposes shall contain a minimum amount of fuel, to the satisfaction of the Chief Fire Officer.*
- (12) *Generators shall be -*
(a) *at least 3 meters from any temporary structure;*
(b) *be so positioned that any exhaust emissions is directed away from the structure;*
(c) *provided with atleast one 9kg dry chemical powder fire extinguisher; and*
(d) *well maintained and a logbook detailing its service history shall be kept available for inspection.*
- (13) *The use and storage of any flammable liquids shall be subject to the requirements of Chapter 4 and 5 as applicable.*
- (14) *Wall and floor coverings, draping and décor shall be non-combustible or be suitably treated with a fire retardant and a certificate indicating such shall be available on site.*
- (15) *VOIDS created by raised flooring shall be supplied with suitable smoke detection as determined by the Chief Fire Officer -*
(a) *where such void exceeds 100m² and is used to house services such as,including but not limited to, electrical cabling and air-conditioning ducting or is used to store other combustible materials; or*
(b) *if such void exceeds 300m².*
- (16) *All temporary structures shall be certified as suitable for use by a Structural Engineer registered with the Engineering Council of South Africa, before use, and such certificate shall be available on site.*
- (17) *Temporary structures inside Exhibition halls shall comply with the requirements of this section, as far as it is applicable as well as the following:*
(a)(i) *Shell scheme stands, with a height not exceeding 2.5 meters, may be submitted as one design.*
(ii) *Shell scheme stands, exceeding a height of 2.5 meters, and designer scheme stands shall be submitted individually.*
(iii) *Double storey stands shall be provided with additional safety measures as required by the Chief Fire Officer.*
(b) *No isles shall measure less than 3 meters wide and shall have a clear height of 2 meters.*
(c) *No displays or other obstructions, movable or immovable, shall be allowed within the space contemplated in subsection (3).*
- (18) *No erection of any temporary structure shall commence before the notification as contemplated in section 32(1) has been done and any additional requirements as per section 32(2) has been complied with.”.*

AMENDMENTS TO SECTION 36 –

Township development fire hydrant requirements

- (1) Section 36(1) -
 - a. Replace the word “*Minimum*” with “*Maximum*” in column 3 of the table applicable to volumes and distance frequencies.

AMENDMENTS TO SECTION 38 –

Connections to water reticulation system

- (1) Replace the heading of Section 38 with the following heading:

“Connections to water reticulation systems for the provision of fire extinguishing water”.

- (2) Section 38(2) (d) -
 - a. Replace the abbreviation and code “SABS 1:1994” with the abbreviation and code “SANS 10252 Part 1” .

AMENDMENTS TO SECTION 39 –

Use of fireworks prohibited in certain circumstances

- (1) Section 39(1) (a) -
 - a. Deletion of the word “or” after the word “*depot*”.
 - b. Insertion of the words “*or any premises designated as a Major Hazardous Installation,*” after the word “*station*”.

- (2) Section 39(1) -
 - a. Insertion of a new paragraph (f) after paragraph (e)

“(f) other than consumer fireworks.”.

- (3) Section 39 -
 - a. Deletion of subsection (2) and (3).

- (4) Section 39 -
 - a. Insertion of new subsection (3) after subsection (2) - .

“(3) Notwithstanding the conditions of subsections (1) and (2), no person may launch a Sky Lantern or similar item that relies on an open flame to heat the air inside the lantern, without the written consent of the Chief Fire Officer.”.

AMENDMENTS TO SECTION 44 –

Use, handling and storage of flammable substances prohibited in certain circumstances

- (1) Section 44 -
 - a. Insertion of new subsection (2) after subsection (1) -
- “(2) Insofar as a tank, pump or any ancillary equipment is defined as a building, the requirements of section 8, as applicable, shall apply.”.*
- b. Hereafter all subsequent subsection numbers are sequentially renumbered.
 - c. Insertion of new subsections after subsection (4) -
- “(5) No flammable substances may be used, handled or stored at any public event without the prior written permission of the Chief Fire Officer.*
- (6) An application for permission contemplated in subsection (5) must be made in writing at least 14 days before the public event concerned.*
- (7) The Chief Fire Officer may impose any reasonable condition on the use, handling and storage of flammable substances at a public event, including but not limited to, the volume of flammable substances, the manner of storage, safety distances and other safety requirements.*
- (8) Any person using, handling or storing any flammable substances at any public event must comply with any condition imposed in terms of subsection (7).”.*

AMENDMENTS TO SECTION 46 –

Issue of certificate of registration

- (1) Section 46(2) (b) -
 - a. Deletion of the words “12 months”.
 - b. Insertion of the words “6 months in the case of any bulk depot or 12 months for any other premises,” after the word “exceeding”.

AMENDMENTS TO SECTION 47 –

Availability of certificate of registration at premises

- (1) Section 47 -
 - a. Deletion of the words “is available”.
 - b. Insertion of the words “or a certified copy of the original certificate is displayed in a conspicuous manner” after the word “certificate”.

AMENDMENTS TO SECTION 48 –

Fire-fighting equipment

- (1) Section 48(1) (a) (i) -
 - a. Replace the words, abbreviations and codes “*SABS 1567 (carbon dioxide-type)*”, *SABS 810 (dry chemical-type)*, *SABS 1573 (foam-type)* and *SABS 1571 (transportable-type)*” with the words, abbreviations and codes “*SANS 1910 or SANS 1567*”.
- (2) Section 48(1) (a) (ii) –
 - a. Replace the abbreviations “SABS” with the abbreviation “SANS”.
- (3) Section 48(1) (b) –
 - a. Deletion of the abbreviation and code “*SABS 453*” and the insertion of the abbreviation and code “*SANS 543*”
 - b. All further reference to “*SABS 453*” shall be replaced with “*SANS 543*” throughout the by-law.
- (4) Section 48(1) (c) –
 - a. Deletion of the abbreviation and code “*SABS 1128 (Part II)*” and the insertion of the abbreviation and code “*SANS 1128*”
 - b. All further reference to “*SABS 1128*” shall be replaced with “*SANS 1128*” throughout the by-law.
 - c. Replace subparagraph (ii) with the following subparagraph:
 - (ii) in such numbers as appropriate based on the risk and relevant SANS codes, and
- (5) Section 48(1) (d) –
 - a. correction of the spelling of the word “*delute*” to read “*deluge*”
- (6) Section 48(2) (b) –
 - a. insertion of the words “*hose reels or hydrants*” after the word “*extinguishers*”
- (7) Section 48(3) (a) (i)–
 - a. Deletion of the abbreviation and code “*SABS 1015*” and the insertion of the abbreviation and code “*SANS 10105*”
 - b. insertion of the words “*or other applicable standard*” after the words “*SANS 1475*”
- (8) Section 48(3) (c) (i)–
 - a. Deletion of the abbreviation and code “*SABS 1186*” and the insertion of the abbreviation and code “*SANS 1186*”
 - b. All further reference to “*SABS 1186*” shall be replaced with “*SANS 1186*” throughout the by-law.

AMENDMENTS TO SECTION 52 –

No authorisation required for certain fuel tanks

- (1) Deletion of the words “motor vehicle” in the heading
- (1) Section 52 (a) -
 - a. Replace the word “*and*” with the word “*or*”.
 - b. Insertion of the words “*or a certified copy of the original certificate is displayed in a conspicuous manner*” after the word “*certificate*”.
- (1) Section 52 (b) -
 - a. Replace the words “*if the volume of the fuel tank does not exceed 1 000 litres*” with the words “*or movable equipment*”.
 - b. Insertion of new subparagraphs (i), (ii) and (iii) below subsection 52(b)
 - “(i) *the volume of the fuel tank does not exceed 1 000 litres; and*
 - “(ii) *such tank is fixed to such engine or equipment by mechanical means other than the fuel line; and*
 - “(iii) *the total volume of flammable liquids does not exceed 2500 litres in any one division.*”.

AMENDMENTS TO SECTION 55 –

Use, handling and storage of liquefied petroleum gas

- (1) Section 55(1) -
 - a. Insertion of the words “*of which is*” after “*that*”.
- (2) Section 55(1) (b) -
 - a. Deletion of the reference to “*Parts 1, 3, 7 and 10*” .
- (3) Section 55(2) -
 - a. Deletion of the reference to “*Parts 1, 3, 7 and 10*” .
- (4) Section 55(3) -
 - a. Deletion of the words “*at any service station*” after the word “*cylinders*” .
 - b. Insertion of the words “*and exchange*” after the word “*retail*” .
- (5) Section 55(4) -
 - a. Replace the words “*exhibition or demonstration*” with the word “*event*”.
- (6) Section 55(5) -
 - a. Insertion of the word “*public*” before the word “*event*”.
- (7) Section 55(7)–
 - a. correction of the spelling of the word “*fo*” to read “*of*”
- (8) Section 55 -
 - a. Insertion of new subsection (8) after subsection (7) -

“(8) All cylinders shall be deemed to be full unless certified otherwise.”.

AMENDMENTS TO SECTION 59 –

Symbolic safety signs must be displayed

- (1) Section 59(a) (i)-
 - a. Deletion of the word “*and*” at the end of the sentence in subparagraph (i).
 - (2) Section 59(b) -
 - a. Replace the word “*group*” with the word “*classes*” .
 - b. Insertion of the word “*and*” at the end of the sentence in paragraph (b).
 - (3) Section 59 -
 - a. Insertion of a new paragraph (c) after (b).
- “(c) a sign indicating “Flammable Liquid Store On Premises” in red letters at least 75 millimetres high, against a white background be displayed in a conspicuous manor at the main entrance to the premises.”.*

AMENDMENTS TO SECTION 60 –

Construction of flammable substance storerooms

- (1) Section 60(c) (ii)-
 - a. Insertion of the words “*is located*” after the word “*storeroom*”.
- (2) Section 60(c) (ii) (aa)-
 - a. Insertion of the words “*at least 5 meters from the*” before the word “*boundary*”.
- (2) Section 60(c) (ii) (bb)-
 - a. Replacement of the words “*adjoins a higher wall with no opening within 10 metres is not situated within 5 metres of any adjacent building or above and 5 metres on either side of the storeroom.*” with the words “*at least 5 meters from any other building or division having openings within an area 10 meters above and 5 meters to either side of such storeroom.*”.

AMENDMENTS TO SECTION 61 –

Requirements for storeroom doors

- (1) Section 61(1) (a)–
 - a. Deletion of the abbreviation and code “*SABS 1253*” and the insertion of the abbreviation and code “*SANS 1253*” .
 - b. All further reference to “*SABS 1253*” shall be replaced with “*SANS 1253*” throughout the by-law.

AMENDMENTS TO SECTION 62 –

Requirements for storeroom windows

- (1) Section 62(3) –
 - a. Replace the word “*Every*” with the word “*A*”.
 - b. Replace the word “*must*” with the words “*shall only*”.

AMENDMENTS TO SECTION 63 –

Requirements for storeroom catch pits

- (1) Section 63(1) –
 - a. Insertion of the words “*by at least 100 mm*” after the word “*sill*”.
- (2) Section 63(1) (a) –
 - a. Replacement of the word “*hazardous*” with the word “*flammable*”.
- (3) Section 63(1) (b) –
 - a. Insertion of the words “*where installed or*” before the words “*if required*”.
 - b. Insertion of the words “*, a floor grill, shall be level with the door sill;*” after the word “*Officer*”.
 - c. Replace the wording of subparagraph (i) and (ii) with the following wording -
 - “(i) *be of a strong, stable, non-combustible and oxidation resistant material; and*”
 - “(ii) *be equipped, at its lowest level, with a non-corrosive drainage valve for cleaning purposes and product recovery.*”.
- (4) Section 63(2) –
 - a. Replace the reference to subparagraph (i) with (b).

AMENDMENTS TO SECTION 64 –

Ventilation of storerooms

- (1) Section 64(3)(d)(ii) –
 - a. Substitution of the numbers “3.6” with the numbers “3.5”.
- (2) Section 64(3) (g) (ii)–
 - a. Insertion of the word “*and*” at the end of the sentence.
- (3) Section 64(3) –
 - a. Insertion of a new paragraph (h) after paragraph (g) -
 - “(h) *ensure that–*

- (i) *the equipment is maintained in terms of the manufacturers specification; and*
- (ii) *the equipment is inspected annually by a competent person and that a certificate of acceptability is available for inspection on site.”.*

AMENDMENTS TO SECTION 65 –

Electrical equipment in storerooms

- (1) Section 65(1) (a)–
 - a. Deletion of the abbreviation and code “SABS 0108” and the insertion of the abbreviation and code “SANS 10108”.
 - b. All further reference to “SABS 0108” shall be replaced with “SANS 10108” throughout the by-law.

AMENDMENTS TO SECTION 66 –

Foam inlets required for certain storerooms

- (1) Section 66 –
 - a. Insertion of a subsection number (1) before paragraph (a).
- (2) Section 66(1) (a) –
 - a. Replacement of the words “*inlet consisting of a 65 mm male instantaneous coupling and mild steel pipe work leading to the inside thereof*” with the words “*system designed by a competent person, suitable for use by the Service and capable of introducing foam, in sufficient volume, into such storeroom without the need to open any door, window or panel*”.
- (3) Section 66(1) (b) –
 - a. Replacement of the words “*foam inlet*” in the first part of the sentence with the words “*service connection point to the foam generator*”.
 - b. Replacement of the words “*foam inlet*” in the second part of the sentence with the words “*service connection*”.
- (3) Section 66(1) –
 - a. Insertion of a new paragraphs (c) and (d) after paragraph (b) -
 - “(c) *the equipment is maintained in terms of the manufacturers specification; and*
 - (d) *the equipment is inspected annually by a competent person and that a certificate of acceptability is available for inspection on site.”.*
- (4) Section 66 –
 - a. Insertion of a new subsection (2) after subsection (1) -
 - “(2) *The requirements listed in subsection(1) shall not be applicable to a storeroom if, at the commencement of these bylaws –*

- (a) *there is a current registration certificate for such storeroom, issued in terms of section 44; or*
- (b) *if such certificate has expired, is no older than 12 months from the expiry date.”.*

AMENDMENTS TO SECTION 67 –

Shelving in storerooms

- (3) Section 67 –
 - a. Replace the word “*or*” with the word “*or*”.
 - b. Insertion of the words “*and nonreactive*” before the word “*material*”.

AMENDMENTS TO SECTION 68 –

Unauthorised use and entry of storerooms prohibited

- (1) Section 68 (d) –
 - a. Deletion of the word “*or*” after the word “*storeroom*”.
 - b. Insertion of the words “*or service connection*” at the end of the sentence.

AMENDMENTS TO SECTION 69 –

Mixing and decanting rooms

- (1) Section 69 –
 - a. Replace the expression “*Schedule 3*” with the expression “*Schedule 2*”.

AMENDMENTS TO SECTION 70 –

Temporary above ground storage of flammable substances

- (1) Section 70 (2) (a) –
 - a. Replacing the number “12” with the number “6”.
- (2) Section 70 (3) (d) –
 - a. Substitute the number “300” with the number “290” wherever it appears in the paragraph.

INSERTION OF A SECTION –

- (1) a. Insertion of a new section after section 70 -

“Storage in open air

70A (1) No person shall store flammable substances outside a building or elsewhere in the open air except in accordance with SANS 10263 and the following requirements-

(a) the flammable substances may only be stored in sealed containers which shall be stacked to a height not exceeding 3 meters or three containers whichever is the lesser;

(b) no flammable substances container or storage area shall be nearer than –

(i) 3 m from any drain;

(ii) 6 m from any building on the premises;

(iii) 15 m from any boundary;

(c) the storage area shall be bunded to contain the total volume of flammable substances to be stored in the area, plus 10 percent

(d) the requirements of sections 58, 59, 64, 65, 66, 67, 68, 69, 71, 74, 77, as applicable and read with the necessary changes are complied with.”.

AMENDMENTS TO SECTION 71 –

Hand tools must be intrinsically safe

(1) Section 71–

- a. Insertion of the words “or other equipment” after the word “tool”.
- b. Replace the words “intrinsically safe” with the words “suitable for use in a flammable atmosphere”.

AMENDMENTS TO SECTION 71 –

Permanent above ground storage tanks for flammable liquids

(1) Section 72 (1) (a) (i) –

- a. Replace the Roman numeral “I” with the number “1”.

(2) Section 72(1) (b)–

- a. Replace the acronym “Hazchem” with the words “dangerous goods”.

- b. Deletion of the abbreviation and code “SABS 0232” and the insertion of the abbreviation and code “SANS 10232” .
- c. All further reference to “SABS 0232” shall be replaced with “SANS 10232” throughout the by-law.

AMENDMENTS TO SECTION 75 –

Repair and maintenance of access to storage tanks

(1) Section 75 (a) –

- a. Deletion of the words “*de-aerated and*” after the word “*been*”.
- b. Removing of the brackets of the word “*Part I*”.
- c. Replace the Roman numeral “*I*” with the number “*1*”.
- d. Replace the word “*or*” with the word “*and*” at the end of the sentence.

(2) Section 75 (b) –

- a. Replace the words -

“unless that person –

(i) is wearing an effective self-supporting breathing apparatus; and

(ii) is attached to a rescue rope under the control of a competent and responsible person.”

with the words “*the requirements of the Occupational Health and Safety Act has been met.*”.

AMENDMENTS TO SECTION 77 –

Container handling and storage

(1) Section 77 (6) –

- a. Changing of the word “*liters*” with the word “*litres*”

(1) Section 77 –

- a. Insertion of subsection (7) after subsection (6) -

“(7) Cabinets with a fire resistance of at least 60 minutes complying with SANS 54470 Part 1 may be used in lieu of a storeroom at the discretion of the Chief Fire Officer, in instances where the total quantity of flammable liquids to be stored do not exceed 500 liters per division and such flammable liquids are packaged in individual containers not exceeding 5 litres.”.

AMENDMENTS TO SECTION 80 –

Requirements of transport permits

- (1) Section 80(b)(iv) -
 - a. Replace the word “*group*” with the word “*class*”.

AMENDMENTS TO SECTION 83 –

- (1) Section 83(a)–
 - a. Deletion of the respective abbreviations and codes “*SABS 0229, 0233, 0231, 1518*” and the insertion of the respective abbreviations and codes “*SANS 10229, 10233, 10231, 1518*”.
 - b. All further reference to the respective abbreviation or codes mentioned in (a) above shall be replaced throughout the by-law.

AMENDMENTS TO SECTION 84 –

Design, construction, maintenance and repair of dangerous goods vehicle containment area

- (1) Section 84(b) (i)–
 - a. Replace the words “*a safety edge or safety railing*” with the words “*where LPG cylinders is concerned*”.
- (2) Section 84(b) (i) (aa)–
 - a. Insertion of the words “*body sides (rear and both sides)*” before the words “*at least*”.
 - b. Replace the measurement of “*1 meter*” with “*600 millimetres*”.
 - c. Replace the words “*dangerous goods containers*” with the words “*the load*”.
- (3) Section 84(b) (ii) –
 - a. Replace the words “*strong and durable straps*” with the words “*a system of included but not limited to straps, chains and anchor points*”.
- (4) Section 84(b) (ii) (aa) –
 - a. Delete the word “*containers*” after the word “*hazardous goods*”.
- (5) Section 84(b) (ii) (cc)–
 - a. Replace the words “*that are fitted with a reversible cog winch mechanism that can be locked*” with the words “*compliant with SANS 10187 - 8*”.

(6) Section 84(b) (iii)–

- a. Deletion of subparagraph (iii).
- b. Hereafter all subsequent subparagraph numbers are sequentially renumbered.

AMENDMENTS TO SECTION 85 –

General prohibitions regarding transport of dangerous goods

(1) Section 85 (1) (b) –

- a. Insertion of the words “*or one such extinguisher for vehicles not exceeding 3500kg gross vehicle mass*” after the word “*extinguishers*”.

(2) Section 85 (1) (b) (i) –

- a. Deletion of the abbreviation and code “*SABS 1910*” and the insertion of the abbreviation and code “*SANS 1910*” .
- b. All further reference to “*SABS 1910*” shall be replaced with “*SANS 1910*” throughout the by-law.

(3) Section 85 (1) (c) –

- a. Deletion of the abbreviation and code “*SABS 0187*” and the insertion of the abbreviation and code “*SANS 10187*” .
- b. All further reference to “*SABS 0187*” shall be replaced with “*SANS 10187*” throughout the by-law.

(4) Section 85 (1) (d) –

- a. Insertion of the word “*and*” at the end of the sentence.

(4) Section 85 –

- a. Insertion of subsections (3) and (4) -

“(3) No person may allow a vehicle transporting flammable substances to reverse and sufficient area must be available for a vehicle to turn around before delivering or the vehicle must be able to leave through an exit gate without the need to turn around.

“(4) The provisions of subsection 3 is not applicable on vehicles with a GVM<3500 Kg, but includes any vehicle towing a trailer.”.

AMENDMENTS TO SECTION 86 –

Supply of dangerous goods prohibited in certain circumstances

(1) Section 86 (4) (d) –

- a. Deletion of the abbreviation and code “SABS 0263” and the insertion of the abbreviation and code “SANS 10263” .
- b. All further reference to “SABS 0263” shall be replaced with “SANS 10263” throughout the by-law.
- c. Insertion of the words “as applicable” at the end of the sentence.

INSERTION OF A SECTION –

(1) a. Insertion of a new section after section 87

“Recognition of transport permits issued by other Local Authorities

87A. (1) *The Chief Fire Officer may accept a transport permit issued by another Local Authority, if -*

- (a) the transport permit was issued in terms of the Local Authorities By-laws, and*
- (b) in the opinion of the Chief Fire Officer, such By-laws contain comparable requirements to these By-laws.*

(2) Where the Chief Fire Officer is satisfied that the requirements of subsection (1) has been met, the Chief Fire Officer shall endorse such transport permit with an identifying mark and number and such permit particulars shall be entered into the register kept as provided for in terms of section 87, as if the permit had been issued in terms of section 78, and thereupon the holder of the permit shall for all purposes of these By-laws be deemed to be the holder of a permit issued in terms of this by-law.”.

AMENDMENTS TO SECTION 92 –

Design and construction of spraying rooms

(1) Section 92 –

- a. Replace section 92(1), with the following section :

“(1) Every spraying room must be designed and constructed according to the following criteria:

(a) if based on a brick and concrete construction -

- (i) the floor must consist of concrete;*
- (ii) the walls must consist of brick or concrete with a 60 minute fire resistance rating;*
- (iii) the roof must consist of reinforced concrete with a 60 minute fire resistance rating;*
- (iv) every door must be a Class B-type fire doors as contemplated in SANS 1253;*

- (vi) *the structure must be constructed, installed and finished so that all surfaces are smooth in order to prevent any furring which may hamper ventilation, washing or cleaning of the spraying room; and*
 - (vii) *every window frame must consist of steel with window panels -*
 - (aa) *that cannot be opened;*
 - (bb) *that do not exceed 450 millimetres x 450 millimetres in size; and*
 - (cc) *that are fitted with wire glass with a thickness not less than 8 millimetres;*
- (b) *if based on a metal structure not defined in (c), the design shall be the subject of a rational design, considering the risk to the building in which it is installed and persons inhabiting such building, done by a Competent Person (Fire Engineering) with the minimum specifications being –*
- (i) *the framework of the structure, including door assemblies must consist of a sturdy steel profile with a minimum wall thickness of 2.5 millimetres;*
 - (ii) *the framework of the entire structure, including any door, must be clad on both sides with sheet metal with a minimum thickness of 1.3 millimetres;*
 - (iii) *the framework of the entire structure must be fume-proof, flame-proof and liquid-proof;*
 - (iv) *the floor must consist of concrete or metal;*
 - (v) *the spray room and any related ducting shall be protected by an automatic fire suppression system;*
 - (vi) *the structure must be constructed, installed and finished so that all surfaces are smooth in order to prevent any furring which may hamper ventilation, washing or cleaning of the spraying room;*
 - (vii) *aluminium shall not be used in the construction; and*
 - (viii) *every window frame must consist of steel with window panels -*
 - (aa) *that cannot be opened;*
 - (bb) *that do not exceed 450 millimetres x 450 millimetres in size; and*
 - (cc) *that are fitted with wire glass with a thickness not less than 8 millimetres;*
- (c) *if based on a metal structure certified by a recognised testing authority with their mark (either SABS, UL, CE or similar), it shall be the subject of a rational design, considering the risk to the building in which it is installed and persons inhabiting such building, done by a Competent Person (Fire Engineering) with the minimum specifications being –*
- (i) *installed and maintained as per the manufacturer's instructions;*
 - (ii) *the spray room and any related ducting shall be protected by an automatic fire suppression system; and*
 - (iii) *notwithstanding the requirements of section 98, the width of escape doors may be reduced to 762 millimetres wide by 2000 millimetres high.*

(2) *The requirements listed in subsection (1) shall not be applicable to an installation if, at the commencement of these bylaws –*

- (i) *there is a current registration certificate for such installation, issued in terms of section 89; or*
- (ii) *if such certificate has expired, is no older than 12 months from the expiry date.”.*

AMENDMENTS TO SECTION 97 –

Ventilation of spraying rooms

- (1) Section 97 –
 - a. Insertion of the words “*by a competent person*” after the word “*installed*”.
 - b. Replace paragraph (f) with the following paragraph:

“(f) *with ducting material that -*
(i) is as short as possible in the circumstances and does not have sharp bends; and
(ii) is fitted with a fire damper and covering of at least 120 minutes fire resistance where the ducting material exists the spraying room, if ducting material is installed external to the spraying room in communication with the remainder of the building concerned;”.
 - c. Insertion of new paragraph (g) and (h) after paragraph (f) -

“(g) *the equipment is maintained in terms of the manufacturers specification; and*
(h) *the equipment is inspected annually by a competent person and that a certificate of acceptability is available for inspection on site.”.*

AMENDMENTS TO SECTION 98 –

Fire dampers, protectors and alarms in spraying rooms

- (1) Section 98 –
 - a. Deletion of the abbreviation and code “SABS 193” and the insertion of the abbreviation and code “SANS 193”.
 - b. All further reference to “SABS 193” shall be replaced with “SANS 193” throughout the by-law.

AMENDMENTS TO SECTION 99 –

Design and positioning of ventilation outlets for spraying rooms

- (1) Section 99 –
 - a. Replace Section 99 with the following section:

“99. *Every outlet opening from a spraying room must be designed and positioned to release fumes from the spraying room into the open air at least -*

- (a) 5 metres of any opening of a building or erf boundary; and
- (b) terminating at least 1 metre above roof height or at least 3.5 meters above ground level, whichever is the greater.”.

AMENDMENTS TO SECTION 101 –

Manifold installations in spraying rooms

- (1) Section 101 –
 - a. Replacing the words “*Group II hazardous substance*” with the words “*Class 2 dangerous goods*”.
- (2) Section 101(a) –
 - a. Removing of the brackets of the word “*Part 1*”.

AMENDMENTS TO SECTION 103 –

Fire extinguishing equipment in spraying rooms

- (1) Section 103(3) –
 - a. Deletion of the abbreviation and code “*SABS 543*” and the insertion of the abbreviation and code “*SANS 543*” .
 - b. All further reference to “*SABS 543*” shall be replaced with “*SANS 543*” throughout the by-law.
- (1) Section 103(3) (a) –
 - a. Removing of the brackets of the word “*Part W*”.

INSERTION OF SECTION 104 –

Spray Cabinets or Enclosures

- (1) Section 104 -
 - a. Insertion of a new section after section 103

“*Spray Cabinets or Enclosures*”

104. (1) *Where spraying is done into any cabinet or other enclosure, such cabinets or enclosures shall*
- (a) *comply with the Occupational Health and Safety Act. 1983;*
 - (b) *at any one time contain no more than 10 litres of a flammable liquid;*

(c) not have an open face exceeding 2m² ; and

(d) have at least one 9 kilogram dry chemical fire extinguisher installed within reach of such cabinet or enclosure.”.

b. Hereafter all subsequent section numbers are sequentially renumbered.

INSERTION OF SECTION 108 –

Chief Fire Officer

(1) Section 108 -

a. Insertion of a new section after section 107

“Chief Fire Officer

108. Notwithstanding anything to the contrary contained in any other law the Chief Fire Officer -

(a) has the authority to investigate the cause, origin and circumstances of any fire or incident or any other threatening danger within the ambit of appointment as Chief Fire Officer; and

(b) may accept a suitable alternative to any specification or requirement, which shall be equal or superior to these by-laws and shall be based on a process of reasoning or calculation which may include a rational design.”.

AMENDMENTS TO SECTION 109 –

Instructions by members of Service

(1) Section 109 -

a. Replace the heading “Instructions by members of Service” with the heading “Powers of Designated Officers and members of Service”.

b. Insertion of subsection (4), (5) and (6) after subsection (3) -

“(4) At the discretion of the Chief Fire Officer, a designated officer may close any premises where a contravention of these by-laws exist, until such contravention has been rectified to the satisfaction of the Chief Fire Officer.

(5) A member may draw or use water from any hydrant, tank, cistern, pipe or other water supply, whether on public or private property for the purpose of fighting a fire.

(6) The Service shall not be liable for any damage or loss as a result of bodily injury, loss of life, or loss or damage to property or financial loss, which is caused by or arises out of or in connection with anything done or performed in good faith in the exercise or performance of a power, function or duty conferred or imposed in terms of these By-laws.”.

**AMENDMENTS TO SECTION 110 –
Pretending to be member of Service prohibited**

- (1) Section 110 (2) -
 - a. Insertion of the words “*where such person creates or may create the impression that he is a member.*” after the word “Service”.

AMENDMENTS TO SECTION 114 –

Exemption from provisions of these by-laws

- (1) Section 114 (2) -
 - a. Insertion of the words “*on the recommendation of the Chief Fire Officer*” after the word “*exemption*”.

AMENDMENTS TO SECTION 118 –

Offences and penalties

- (1) Section 118 (d) -
 - a. Correction of the spelling of the word “*imporoperly*” to read “*improperly*”.
- (2) Section 118 -
 - a. Replacing the words and numbers “*not exceeding R50*” with the words “*as determined*”.

AMENDMENTS TO SECTION 119 –

Short title

- (1) Section 119 -
 - a. Replacing the year “2003” with the year “2018”

AMENDMENTS TO SCHEDULE 2 –

EXEMPTION FROM CERTIFICATE OF REGISTRATION

(1) Schedule 2 -

a. Replacement of the table under Schedule 2 with the following table:

Class	Type	Occupancy	Maximum allowable quantities
GASES			
Class O	Liquefied petroleum gas	H3 (Flats - irrespective of height and Clusters, Town houses or Semi Detached Houses exceeding 2 storeys)	9Kg per unit (Including balconies)
		H3 (Clusters, Town houses or Semi Detached Houses not exceeding 2 storeys)	19Kg per unit (Including balconies)
		E1, E2, E3, E4, H2,	9Kg per division
		A1, A2, A3, A4, A5, B1, B2, B3, C1, C2, F1, F2, F3, G1, H1,	19Kg per division
		H4	19kg per house (including any attached garage or other attached outbuildings)
		D1, D2, D3, D4	19 kg per 600m3 building volume to a maximum of 100kg
		J1	NIL
FLAMMABLE LIQUIDS AND COMBUSTIBLE LIQUIDS			
Class I	Liquids that have a closed-cap flash point of below 38°C	ALL	Total of 40 litres
Class II	Liquids that have a closed-cap flash point of 38°C or above, but below 60.5°C	ALL	Total quantity of Class II and Class IIIA together may not exceed of 210 litres
Class IIIA	Liquids that have a close-cap flash point of 60.5°C or above but below 93°C	ALL	

Note: For premises falling under the Sectional Titles Act (Act 95 of 1986) premises shall be divided into common property and sections; and the common property and each section shall be counted as a separate premises and all other requirements of these bylaws shall be complied with.

AMENDMENTS TO SCHEDULE 3 –

EXEMPTION FROM TRANSPORT PERMIT

(1) Schedule 3 -

- a. Insertion of the words as a new paragraph “(Litres and kilograms are used where most applicable but shall relate to the form of the goods transported)” after the paragraph ending with the word “below”.
- b. Replacement of the table under Schedule 3 with the following table:

CLASS	DESCRIPTION	QUANTITY
2	GASES	
	<i>Flammable gases</i>	<i>Total cylinder capacity may not exceed 100 kilograms</i>
	<i>Non-flammable gases</i>	<i>Total cylinder capacity may not exceed 333 kilograms</i>
3	FLAMMABLE LIQUIDS	
	<i>With flash points $\leq 18^{\circ}\text{C}$</i>	<i>Total quantity may not exceed 100 litres</i>
	<i>With flash points $> 18^{\circ}\text{C}$ but $\leq 23^{\circ}\text{C}$</i>	<i>Total quantity may not exceed 420 litres</i>
	<i>With flash points $> 23^{\circ}\text{C}$ but $\leq 61^{\circ}\text{C}$</i>	<i>Total quantity may not exceed 1100 litres</i>
	<i>With flash points $> 61^{\circ}\text{C}$ but $\leq 100^{\circ}\text{C}$</i>	<i>Total quantity may not exceed 1 100 litres</i>
4	FLAMMABLE SOLIDS	
	<i>Flammable solids</i>	<i>Total quantity may not exceed 250 kg</i>
5	OXIDISING AGENTS AND ORGANIC PEROXIDES	
	<i>Oxidising agents</i>	<i>Total quantity may not exceed 200 kilograms</i>
	<i>Group II organic peroxides in packets</i>	<i>Total quantity may not exceed 200 kilograms</i>
6	TOXIC / INFECTIVE SUBSTANCES	
	<i>Group I toxic substances in packets</i>	<i>Total quantity may not exceed 5 kilograms</i>
	<i>Group II toxic substances in packets</i>	<i>Total quantity may not exceed 50 kilograms</i>

	<i>Group III toxic substances in packets</i>	<i>Total quantity may not exceed 500 kilograms</i>
8	CORROSIVE / CAUSTIC SUBSTANCES	
	<i>Group I acids in packets</i>	<i>Total quantity may not exceed 50 kilograms</i>
	<i>Group II acids in packets</i>	<i>Total quantity may not exceed 200 kilograms</i>
	<i>Group III acids in packets</i>	<i>Total quantity may not exceed 1000 kilograms</i>
	<i>Group I alkaline substances in packets</i>	<i>Total quantity may not exceed 50 kilograms</i>
	<i>Group II alkaline substances in packets</i>	<i>Total quantity may not exceed 200 kilograms</i>

AMENDMENTS TO SCHEDULE 4 –

SANS CODES OF PRACTICE AND SPECIFICATIONS

(1) Schedule 4 -

- a. Replacing of the words “*The SABS codes of practice reflected in these by – laws and below are synonyms with the equivalent SANS (South African National Standards) code of practice*” with the words “*This is not an exhaustive list. Where a specific part is noted it does not imply that other relevant parts are not applicable and vice versa*”.
- b. Replacement of the table relating to SABS Code and Title with the following table:

SANS Code	Title
SANS 543	<i>Fire hose reels (with semi-rigid hose)</i>
SANS 1128	<i>Firefighting equipment Part 1: Components of underground and above-ground hydrant systems</i>
SANS 1850	<i>The design and manufacture of commercial kitchen extraction systems</i>
SANS 1910	<i>Portable refillable fire extinguishers</i>
SANS 10019	<i>Transportable pressure receptacles for compressed, dissolved and liquefied gases — Basic design, manufacture, use and maintenance</i>
SANS 10087 : Part 1	<i>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 500l and a combined water capacity not exceeding 3000l per installation.</i>
SANS 10087 : Part 2	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations — Part 2: Installation of LPG systems in mobile units, including but not limited to caravans, motor homes, park homes and mobile kitchens</i>

SANS Code	Title
SANS 10087 : Part 3	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations Part 3: Liquefied petroleum gas installations involving storage vessels of individual water capacity exceeding 500l.</i>
SANS 10087 : Part 4	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations Part 4: The transportation of LP gas including the design, construction, inspection, fittings, filling, maintenance and repair of LP gas bulk vehicles and rail tank cars</i>
SANS 10087 : Part 7	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations — Part 7: Storage and filling premises for refillable liquefied petroleum gas (LPG) containers of gas capacity not exceeding 9 kg and the storage of individual gas containers not exceeding 48 kg</i>
SANS 10087 : Part 8	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations— Part 8: Filling containers for LP gas operated fork lift vehicles in-situ</i>
SANS 10087 : Part 10	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations — Part 10: Mobile filling stations for refillable liquefied petroleum gas (LPG) containers of capacity not exceeding 9 kg</i>
SANS 10089 : Part 1	<i>The petroleum industry, Part 1: Storage and distribution of petroleum products in above ground bulk installations.</i>
SANS 10089 : Part 2	<i>The petroleum industry, Part 2: Electrical installations in the distribution and marketing sector.</i>
SANS 10089: Part 3	<i>The petroleum industry, Part 3: The installation, modification, and decommissioning of underground storage tanks, pumps/dispensers and pipe work at service stations and consumer installations</i>
SANS 10105 : Part 1	<i>The classification, use and control of fire fighting equipment, Part 1: Portable and wheeled (mobile) fire extinguishers.</i>
SANS 10105 : Part 2	<i>The use and control of fire-fighting equipment Part 2: Fire hose reels and above-ground hydrants</i>
SANS 10108	<i>The classification of hazardous locations and the selection of apparatus for use in such locations.</i>
SANS 10114 : Part 2	<i>Interior lighting Part 2: Emergency lighting</i>
SANS 10131	<i>The above-ground storage tanks for petroleum products</i>
SANS 10139	<i>Fire detection and alarm systems for buildings — System design, installation and servicing</i>
SANS 193	<i>Fire dampers.</i>
SANS 10228	<i>The identification and classification of dangerous goods for transport by road and rail modes</i>
SANS 10229	<i>Transport of dangerous goods — Packaging and large packaging for road and rail transport</i>
SANS 10231	<i>Transportation of dangerous goods — Operational</i>

SANS Code	Title
	<i>requirements for road vehicles</i>
<i>SANS 10232 : Part 1</i>	<i>Transportation of dangerous goods - Emergency information systems, Part 1: Emergency information systems for road transportation.</i>
<i>SANS 10233</i>	<i>Transportation of dangerous goods — Intermediate bulk containers for road and rail transport</i>
<i>SANS 10252 : Part 1</i>	<i>Water supply and drainage for buildings Part 1: Water supply installations for buildings</i>
<i>SANS 10263</i>	<i>The warehousing of dangerous goods</i>
<i>SANS 10287</i>	<i>Automatic sprinkler installations for fire-fighting purposes</i>
<i>SANS 10400 : Part A</i>	<i>The application of the National Building Regulations - Part A: General principles and requirements.</i>
<i>SANS 10400 : Part S</i>	<i>The application of the National Building Regulations - Part S: Facilities for persons with disabilities</i>
<i>SANS 10400 : Part T</i>	<i>The application of the National Building Regulations - Part T: Fire protection</i>
<i>SANS 10400 : Part W</i>	<i>The application of the National Building Regulations - Part W: Fire installation</i>
<i>SANS 1186 : Part 1</i>	<i>Symbolic safety signs, Part 1: Standard signs and general requirements.</i>
<i>SANS 1253</i>	<i>Fire doors and fire shutters.</i>
<i>SANS 1475 : Part 1</i>	<i>The production of reconditioned fire fighting equipment, Part 1: Portable and wheeled (mobile) rechargeable fire extinguishers.</i>
<i>SANS 1475 : Part 2</i>	<i>Part 2: Fire hose reels and above-ground hydrants</i>
<i>SANS 1518</i>	<i>Transportation of dangerous goods - Design, construction, testing, approval and maintenance of road vehicles and portable tanks</i>
<i>SANS 1567</i>	<i>Portable rechargeable fire extinguishers CO2 type extinguishers</i>
<i>SANS 10187 : Part 8</i>	<i>Load securement on vehicles — Part 8: Dangerous goods</i>