PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: A**	**Reference Number: 1.4.1.2. (dwelling unit)**
Corresponding NFC Change	**Division: A**	**Reference Number: 1.4.1.2.(1)**

DESCRIPTION OF PROPOSED CHANGE	Revise definition for "Dwelling unit" to remove reference to "domicile".
EXISTING OFC PROVISIONS	**Dwelling unit** means a **suite** operated as a housekeeping unit, used or intended to be used as a domicile by one or more persons and usually containing cooking, eating, living, sleeping and sanitary facilities.
PROPOSED OFC CHANGE	**Dwelling unit** means a **suite** operated as a housekeeping unit, used or intended to be used by one or more persons and usually containing cooking, eating, living, sleeping and sanitary facilities.
PROBLEM	A change to the definition of **dwelling unit** as described above is being proposed for the NBC, NFC and OBC. A proposed change to the OFC is required for harmonization purposes.
RATIONALE FOR CHANGE	See above.
IMPACT	The OFC will be harmonized with the NBC, NFC and OBC in the definition of **dwelling unit**.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: A**	**Reference Number: 1.4.1.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Add a new definition for Class K fire hazards.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	**Class K fire** means a fire in cooking appliances that involves combustible cooking media such as vegetable oil or animal oils and fats.	
PROBLEM	Dry chemical extinguishing agents have been found to be ineffective in controlling cooking fires using higher temperature cooking oils and require newer, Class K wet chemical extinguishing agents for effective extinguishment.	
RATIONALE FOR CHANGE	See above. The definition is required within the context of new requirements proposed for Part 6.	
IMPACT	See corresponding changes in Part 6.	
IMPACT ON OTHER CODE PROVISIONS	See corresponding changes in Part 6.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: A**	**Reference Number: 1.4.1.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	In the definition of the term "guest suite", the term "hotel" is substituted with "hotel establishment".
EXISTING OFC PROVISIONS	1.4.1.2. … **Guest suite** means a single room or a series of rooms of complementary use providing sleeping accommodation for the travelling public or for recreational purposes in a **hotel**. …
PROPOSED OFC CHANGE	1.4.1.2. … **Guest suite** means a single room or a series of rooms of complementary use providing sleeping accommodation for the travelling public or for recreational purposes in a **hotel establishment**. …
PROBLEM	The word "establishment" was inadvertently omitted from the definition in the 2007 Fire Code (O. Reg. 213/07) and thereby limits the scope of application.
RATIONALE FOR CHANGE	The proposed change restores the definition consistent with O. Reg. 388/97 as amended by O. Reg. 144/06, thus re-establishing the applicable requirements for guest suites in a hotel and all connected or adjacent buildings operated in connection with a hotel as regulated by Retrofit Section 9.9.
IMPACT	None. The change is consistent with the original O. Reg. 388/97 as amended by O. Reg. 144/06.
IMPACT ON OTHER CODE PROVISIONS	None. The change is consistent with the original O. Reg. 388/97 as amended by O. Reg. 144/06.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: A**	**Reference Number: 1.4.1.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add a new defined term for "refuse storage room".
EXISTING OFC PROVISIONS	None.
PROPOSED OFC CHANGE	1.4.1.2., Division A **Refuse storage room** means a room in a building provided for the storage of combustible refuse, including all solid waste materials and recyclables.
PROBLEM	The Fire Code does not clearly state whether recyclables are part of refuse storage.
RATIONALE FOR CHANGE	The proposed definition clarifies the intent of the provisions for fire separation of refuse storage rooms in Part 9.
IMPACT	Improved compliance.
IMPACT ON OTHER CODE PROVISIONS	Refer to corresponding change to Article 9.5.2.12.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 1.1.1.3.**
Corresponding NFC Record	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	New Article to clarify that a reference to **care or detention occupancy** includes a **detention occupancy**, **care and treatment occupancy** and **care occupancy**.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	1.1.1.3. In this Code, a reference to **care or detention occupancy** includes a **detention occupancy**, **care and treatment occupancy** and **care occupancy**.	
PROBLEM	The Code contains requirements which in some cases apply specifically to a **detention occupancy**, **care and treatment occupancy** or **care occupancy**. In other cases, the requirements apply to all three occupancies by reference to the umbrella **care or detention occupancy** definition. However, the umbrella definition does not explicitly refer to the defined terms for the individual occupancy types. This has caused confusion for some Code users.	
RATIONALE FOR CHANGE	The proposed change will clarify that all three individual occupancy types fall within the scope of the umbrella definition.	
IMPACT	Improved clarity and enforcement.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	Note [1]	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: Table 1.2.1.A**
Corresponding NFC Change	**Division: B**	**Reference Number:** Table 1.3.1.2.

DESCRIPTION OF PROPOSED CHANGE

Revision to the table of standards referenced in the OFC.

See also related change to Sentence 1.2.1.1.(2).

EXISTING OFC PROVISIONS

See existing OFC TABLE 1.2.1.A. forming Part of Article 1.2.1.1.

PROPOSED OFC CHANGE

See Table below. Text shown with ~~strikethrough~~ indicates deletion of a standard, title or code reference. Text with an underline is a new standard, edition of a standard, title or code reference.

TABLE 1.2.1.A.

Forming Part of Article 1.2.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
~~ANSI/~~ASME	BPVC-2007[1]	Boiler and Pressure Vessel Code ~~1992~~	4.3.1.3.(1) 4.4.10.5.(2) 4.4.10.6.(1)
~~ANSI~~/ASME	B16.5-~~1988~~2003[1]	Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24 Metric/Inch Standard	4.4.5.3.(1)
~~ANSI/~~ASME	B31.3-~~1993~~ 2008[1]	~~Chemical Plant and Petroleum Refinery Piping~~ Process Piping	4.4.2.1.(5)
API	5L-~~1992~~2007[1]	Line Pipe	4.4.2.1.(4)
API	12B-~~1990~~2008[1]	Bolted Tanks for Storage of Production Liquids	4.3.1.2.(1)
API	12D-~~1982~~2008[1]	Field Welded Tanks for Storage of Production Liquids	4.3.1.2.(1)
API	12F-~~1994~~2008[1]	Shop Welded Tanks for Storage of Production Liquids	4.3.1.2.(1)
API	620-~~1990~~2008[1]	Design and Construction of Large, Welded, Low-Pressure Storage Tanks	4.3.1.3.(1) 4.3.3.1.(1)
API	650-~~1993~~2007[1]	Welded ~~Steel~~ Tanks for Oil Storage	4.3.1.2.(1) 4.3.3.1.(1)
API	1104-~~1994~~2005[1]	Welding of Pipelines and Related	4.4.5.2.(1)

			Facilities	
	API	2000-~~1992~~1998[1]	Venting Atmospheric and Low-Pressure Storage Tanks: Nonrefrigerated and Refrigerated	4.3.4.1.(1)
	API	RP 2200-1994[6]	Repairing ~~Repairs to~~ Crude Oil, Liquefied Petroleum Gas and Product~~s~~ Pipelines	4.4.11.7.(6)
	API	RP 2201-~~1985~~2003[1]	Safe ~~Welding or~~ Hot Tapping Practices in the Petroleum and Petrochemical Industries ~~on Equipment Containing Flammables~~	4.4.11.7.(6)
	ASTM	~~A 53-93a~~ A 53/A 53M-07[1]	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	4.4.2.1.(4)
	ASTM	A 193/A 193M-~~94a~~08b[1]	Alloy-Steel and Stainless Steel Bolting Materials for High Temperature or High Pressure Service and Other Special Purpose Applications	4.4.5.4.
	ASTM	D 56-~~93~~05[1]	Flash Point by Tag Closed Cup Tester	4.1.3.1.(1)
	ASTM	D 93-~~90~~08[1]	Flash Point by Pensky-Martens Closed Cup Tester	4.1.3.1.(2)
	ASTM	D 323-~~90~~08[1]	Vapor Pressure of Petroleum Products (Reid Method)	1.4.1.2. of Division A (Vapour pressure)
	ASTM	D 3278-~~89~~96e1[1]	Flash Point of Liquids by ~~Setaflash~~Small Scale Closed-Cup Apparatus	4.1.3.1.(4)
	ASTM	D 3828-~~93~~07a[1]	Flash Point by Small Scale Closed Cup Tester	4.1.3.1.(3)
	~~CPPI~~	~~PACE Report No. 87-1[4]~~	~~Impressed Current Method of Cathodic Protection of Underground Petroleum Storage Tanks~~	~~4.3.9.1.(2) 4.4.3.1.(2)~~
	CSA	B51-~~94~~09[1]	Boiler, Pressure Vessel, and Pressure Piping Code	4.3.1.3.(2)
	CSA	B620-~~1987~~2003[1]	Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods	4.2.3.1.(1)
	CSA	CAN/CSA-W117.2-~~M87~~06[1]	~~Code for~~ Safety in Welding, ~~and~~ Cutting and Allied Processes	5.17.1.1.
	CSA	~~CSA~~ Z32-04[6]	Electrical Safety and Essential Electrical Systems in Health Care Facilities	6.7.1.1.(2)

	CSA	Z245.1-~~93~~07[1]	Steel ~~Line~~ Pipe	4.4.2.1.(4)
	NACE	RPO285 – 2002	Corrosion Control of Underground Storage Tank Systems by Cathodic Protection	4.3.9.1.(1)
	NACE	SP0169-2007[7]	Control of External Corrosion on Underground or Submerged Metallic Piping System	~~4.3.9.1.(2)~~ 4.4.3.1.(2)
	NFPA	10-~~2002~~2007[1]	Portable Fire Extinguishers	6.2.7.1.
	NFPA	11-~~2002~~2005[1]	Standard for Low-, Medium-, and High-Expansion Foam	4.3.2.5.(2) 6.8.1.1.(3)
	NFPA	12-~~2000~~2005[1]	Standard on Carbon Dioxide Extinguishing Systems	6.8.1.1.(3)
	NFPA	12A-~~2004~~2009[1]	Standard on Halon 1301 Fire Extinguishing Systems	6.8.1.1.(3)
	NFPA	13-~~2002~~2007[1]	Standard for the Installation of Sprinkler Systems	3.3.1.8.(1) 3.3.1.9. 3.3.2.10.(3) 3.3.3.6.(1) 4.8.4.3.(4) 4.9.4.1.(2) 5.4.2.3. 5.4.5.1. 5.12.8.2.(1) 5.13.6.1. 6.5.1.1.(1) 9.2.5.2.(4) Table 9.2.5.A. 9.5.5.3.(2) 9.6.5.5.(2)
	NFPA	15-~~2001~~2007[1]	Standard for Water Spray Fixed Systems for Fire Protection	4.3.2.5.(2) 6.8.1.1.(4)
	NFPA	16-~~2003~~2007[1]	Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems	6.8.1.1.(4)
	NFPA	17-~~2002~~2009[1]	Standard for Dry Chemical Extinguishing Systems	6.8.1.1.(3)
	NFPA	17A-~~2002~~2009[1]	Standard for Wet Chemical Extinguishing Systems	6.8.1.1.(3)
	NFPA	18-~~1995~~2006[1]	Standard on Wetting Agents	6.8.1.1.(5)
	NFPA	25-~~2002~~2008[1]-	Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems	6.4.1.6. 6.5.1.1.(2) 6.6.1.5.(1) to

				(3)
	NFPA	30-~~2003~~2008[1]	Flammable and Combustible Liquids Code	4.2.7.7.(1) 4.2.10.5.(1)
	NFPA	32-~~2003~~2007[1]	Standard for Drycleaning Plants	3.6.1.1.(1)
	NFPA	33-~~2003~~2007[1]	Standard for Spray Application Using Flammable or Combustible Materials	5.12.3.5. 5.12.8.2.(2) 5.14.6.1.(3)
	NFPA	37-~~1990~~2006[1]	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	4.3.12.2.
	NFPA	51-~~1992~~2007[1]	Standard for Design and Installation of ~~the~~ Oxygen-Fuel Gas Systems for Welding, Cutting and Allied Processes	5.17.2.1.
	NFPA	55-~~1993~~2005[1]	Standard for the Storage, Use and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks ~~and Liquefied Gases in Portable Cylinders~~	5.6.1.1.(3)
	NFPA	68-~~1994~~2007[1]	~~Guide for Venting of Deflagrations~~ Standard on Explosion Protection by Deflagration Venting	4.1.5.9.(4) 4.2.9.6.(1) and (2) 4.3.13.3. 4.8.3.1. 4.8.4.2.(1) 5.6.2.4.(1) 5.10.1.5.(2) 5.10.1.7.(2) 5.18.3.3.(2) and (3)
	NFPA	69-~~1992~~2008[1]	Standard on Explosion Prevention Systems	4.3.2.5.(2) 4.8.4.2.(1) 5.10.1.8.(2)
	NFPA	72-~~1990~~1993[6]	Standard for the Installation, Maintenance, and Use of Protective Signaling Systems	6.3.1.2.(5)
	NFPA	82-~~2004~~2009[1]	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	2.6.3.1.(2) 2.6.3.2.
	NFPA	86-~~1995~~2007[1]	Standard for Ovens and Furnaces	4.4.9.5.(2) 5.18.4.1.
	NFPA	91-~~1999~~2004[1]	Standard for Exhaust Systems for Air	3.2.1.2.

			Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids	4.1.7.2.(5) 4.12.8.4.(1)
	NFPA	96 - ~~2001~~2008[1]	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations	2.6.1.12.(1) 2.6.1.13.
	NFPA	505-~~1992~~2006[1]	~~Fire Safety~~ Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	3.4.1.1.
	NFPA	705-~~2003~~2009[1]	Recommended Practice for a Field Flame Test for Textiles and Films	2.3.2.2. 2.9.2.1.
	NFPA	2001 - 2008[2]	Standard on Clean Agent Fire Extinguishing Systems	6.8.1.1.(3)
	~~ULC~~	~~CAN4-S111-M80[6]~~	~~Standard Method of Fire Tests for Air Filter Units~~	~~5.12.2.3.~~
	ULC	ULC-S531-~~1978~~M87[2]	Standard for Smoke Alarms	2.13.2.1.(6) 9.5.4.5.(4) 9.6.4.10.(4) 9.8.4.2.(4) 9.9.4.13.(3)
	ULC	ULC/ORD-C1275-1984[6]	Storage Cabinets for Flammable Liquid Containers	4.2.10.5.
	ULC	CAN/ULC-S601-~~93~~07[1]	Shop Fabricated Steel Aboveground ~~Horizontal~~ Tanks for Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.3.2.(1)[2]
	ULC	CAN/ULC-S602-~~M92~~07[1]	Aboveground Steel Tanks for Fuel Oil and Lubricating Oil	4.3.1.2.(1)
	ULC	~~CAN/~~ULC-S603-~~M92~~00[1]	Steel Underground Tanks for Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.15.4.(5)
	ULC	CAN/ULC-S612-~~M88~~07[1]	Hose and Hose Assemblies for Flammable and Combustible Liquids	4.5.5.1.(1)
	ULC	~~CAN4~~ULC-S615-~~M83~~98[1]	Reinforced Plastic Underground Tanks for ~~Petroleum Products~~ Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.8.5.(2) 4.3.15.4.(5)
	ULC	CAN/ULC-S620-~~M90~~07[1]	Hose Nozzle Valves for Flammable and Combustible Liquids	4.4.8.1.(2) 4.5.5.2.(1)
	~~ULC~~	~~ULC-S630-93[4]~~	~~Shop Fabricated Steel Aboveground Vertical Tanks for Flammable and Combustible Liquids~~	~~4.3.1.2.(1)~~[2] ~~4.3.3.2.(1)~~
	ULC	CAN/ULC-S633-~~M90~~99[1]	Flexible Underground Hose Connectors for Flammable and	4.4.7.13.(2)

	Combustible Liquids		
ULC	CAN/ULC-S642-~~M87~~07[1]	Compounds and Tapes for Threaded Pipe Joints	4.4.5.1.
~~ULC~~	~~CAN/ULC-S643-M90[4]~~	~~Shop Fabricated Steel Aboveground Utility Tanks for Flammable and Combustible Liquids~~	~~4.3.1.2.(1)~~[2] ~~4.3.7.4.(2)~~
ULC	~~CAN/~~ULC-S644-~~M9000~~[1]	Emergency Breakaway Fittings for Flammable and Combustible Liquids	4.5.5.2.(4)
ULC	CAN/ULC-S651-~~M9007~~[1]	Emergency Valves for Flammable and Combustible Liquids	4.4.8.1.(3) 4.5.6.3.(1)
ULC	CAN/ULC-S652-~~93~~08[1]	Tank Assemblies for the Collection, Storage and Removal of Used Oil	4.3.1.2.(1)
ULC	CAN/ULC-S653-~~94~~06[1]	Aboveground Steel Contained Tank Assemblies for Flammable and Combustible Liquids	4.3.1.2.(1)
ULC	CAN/ULC-S660-08[7]	Nonmetallic Underground Piping for Flammable and Combustible Liquids	4.4.2.1.(3) 4.4.7.13.(2)
ULC	ULC-S661-10[2]	Overfill Protection Devices for Flammable and Combustible Liquid Storage Tanks	4.3.1.8.
~~ULC~~	~~ULC/ORD-C58.9-1997[4]~~	~~Secondary Containment Liners for Underground and Aboveground Flammable and Combustible Liquid Tanks~~	~~4.3.7.2.(2)~~
~~ULC~~	~~ULC/ORD-C58.10-1992[4]~~	~~Jacketed Steel Underground Tanks for Flammable and Combustible Liquids~~	~~4.3.1.2.(1)~~ ~~4.3.9.1.(2)~~
~~ULC~~	~~ULC/ORD-C107.4-1992[4]~~	~~Ducted Flexible Underground Piping Systems for Flammable and Combustible Liquids~~	~~4.4.2.1.(3)~~
~~ULC~~	~~ULC/ORD-C107.7-1993[4]~~	~~Glass Fibre Reinforced Plastic Pipe and Fittings for Flammable Liquids~~	~~4.4.2.1.(3)~~
~~ULC~~	~~ULC/ORD-C142.23-1991[4]~~	~~Aboveground Waste Oil Tanks~~	~~4.3.1.2.(1)~~
ULC	ULC/ORD-C693[2]	Central Station Fire Protective Signalling Systems and Services	6.3.1.2.(2)
~~ULC~~	~~ULC/ORD-C971-2005[4]~~	~~Nonmetallic Underground Piping for Flammable and Combustible Liquids~~	~~4.4.7.13.(2)~~

[1] Standard is being updated to a current edition.
[2] Standard is referenced in a proposed technical change.
[3] There is a proposal to delete the Code provision that contains this reference.
[4] Standard is obsolete.
[5] The Code reference has changed for this document.

	[6] Errata [7] Standard replaces obsolete standard
PROBLEM	A number of the currently listed standards have been updated or superseded by other standards or are no longer referenced in the Code
RATIONALE FOR CHANGE	Referencing the latest edition of standards and other documents permits owners to take advantage of new technology and new test results. This will promote both better protection and more economical application. Most of these changes correspond to technical changes to the National Fire Code and are presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The changes may have been edited to reflect the Ontario Fire Code context.
IMPACT	Adoption of current editions for standards should have minimal impact. Exclusions for existing construction and installations will be included in the Code as appropriate. Documents will be more readily available and will reflect current technology and good practices.
IMPACT ON OTHER CODE PROVISIONS	Various code provisions will be impacted based on standards being replaced or deleted. For example: 4.3.1.2.(1) will be revised to delete reference to four standards 4.3.3.2.(1)(b) will be revised to reference the replacement standard ULC-S601 4.4.2.1.(3)(a) and (b) and 4.4.7.13. will be revised to reference the replacement standard, CAN/ULC-S660
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 1.2.1.1.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 1.2.1.1.(2) to include all construction, installations, appliances or devices that comply with documents referenced in previous editions of the Fire Code. See also related change to Table 1.2.1.A.
EXISTING OFC PROVISIONS	1.2.1.1.(1) A reference in this Code to a document set out in Table 1.2.1.A. is to the edition designated in the table. (2) The edition specified in Sentence (1) does not apply to, (a) commercial cooking equipment in Sentence 2.6.1.12.(1), (b) solid-fuel-burning **appliances** and equipment in Article 2.6.2.1., (c) outdoor incinerators in Sentence 2.6.3.1.(2), (d) blower and exhaust systems in Article 3.2.1.2., (e) sprinkler systems in Sentences 3.3.3.6.(1), 4.12.8.4.(2) and 4.12.8.5.(3), Articles 5.4.2.3. and 5.4.5.1., Sentence 5.12.8.2.(1) and Article 5.13.6.1., (f) explosion venting in Subclause 5.6.2.4.(1)(d)(ii) and Sentence 5.18.3.3.(2), (g) fire protection in Sentence 5.12.8.2.(2), and (h) sprinkler systems and special fire suppression systems in Sentences 4.2.7.7.(1). 4.8.4.3.(4) and 4.9.3.2.(2) and (3) for installations or construction that meet, on November 20, 2007, the requirements of **Ontario Regulation 388/97 (Fire Code)**, as it read on that day.
PROPOSED OFC CHANGE	… (2) Except as provided in Sentence (3), the edition specified in Sentence (1) does not apply to any installations or construction that meet, on *<date regulation comes into force>*, the requirements of documents as set out in Table 1.2.1.A. of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day. (3) Sentence (2) does not apply to, (a) smoke alarms in Sentence 2.13.2.1.(6).

PROBLEM	Existing installations or equipment that conform to standards previously referenced in earlier versions of either the Fire Code may still provide adequate protection for a given hazard and should be exempt from meeting specifications in new standards.
RATIONALE FOR CHANGE	Existing systems that do not meet the design or installation requirements of current editions of the referenced documents are deemed to provide appropriate protection for a given hazard except as noted for older smoke alarms [see corresponding change for 2.13.2.1.(6)].
IMPACT	Will prevent costly upgrades to existing equipment installations that do not comply completely with newer editions of standards, but still provide for adequate protection.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.1.1.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Article 2.1.1.2. is deleted and Article 2.1.1.3. is renumbered to 2.1.1.2. The term "Scope" is deleted. The Subsection title is changed to "Application".
EXISTING OFC PROVISIONS	SECTION 2.1 GENERAL Subsection 2.1.1. Scope and Application ***Scope*** 2.1.1.1. This Part provides measures for the safety of persons, the elimination or control of fire hazards in and around **buildings**, the maintenance of certain life safety systems in **buildings**, the establishing of a fire safety plan in those **buildings** where required and the installation of **smoke alarms** in **dwelling units**. ***Application*** 2.1.1.2. Except as provided in Article 2.1.1.3., this Part applies to **buildings**, **tents**, **air-supported structures** and outdoor **public amusement areas**. 2.1.1.3. (1) This Part does not apply to individual **dwelling units**. (2) Despite Sentence (1), Section 2.2 (Fire Separations), Subsection 2.4.7. (Vacant Buildings), Section 2.6 (Service Equipment), Section 2.11 (Insulation and Re-Insulation), Section 2.13 (Installation of Smoke Alarms) and Section 2.15 (Portable Oxygen Systems) apply to individual **dwelling units**. (3) Despite Sentence (1), this Part applies to facilities regulated by or under the **Developmental Services Act**.
PROPOSED OFC CHANGE	SECTION 2.1 GENERAL Subsection 2.1.1. Application ***Application*** 2.1.1.1. This Part provides measures for the safety of persons, the elimination or control of fire hazards in and around **buildings**, the maintenance of certain life safety systems in **buildings**, the establishing of a fire safety plan in those **buildings** where required and the installation of **smoke alarms** in **dwelling units**.

	2.1.1.2. (1) This Part does not apply to individual **dwelling units**. (2) Despite Sentence (1), Section 2.2 (Fire Separations), Subsection 2.4.7. (Vacant Buildings), Section 2.6 (Service Equipment), Section 2.11 (Insulation and Re-Insulation), Section 2.13 (Installation of Smoke Alarms) and Section 2.15 (Portable Oxygen Systems) apply to individual **dwelling units**. (3) Despite Sentence (1), this Part applies to facilities regulated by or under the **Developmental Services Act**.
PROBLEM	The application statement in Article 2.1.1.2. is not consistent with the content of Part 2. The application statement does not capture some activities outside buildings, such as open air burning.
RATIONALE FOR CHANGE	Clarify the application of Part 2.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	The renumbering may require corresponding editorial changes to other Code provisions.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.2.3.5.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Replace existing Sentence to clarify that doors in fire separations must be maintained in the closed position.
EXISTING OFC PROVISIONS	2.2.3.5. (1) Doors in **fire separations** in occupied **buildings** shall be **checked** as frequently as necessary to ensure that they remain closed. (2) Sentence (1) does not apply to (a) doors designed to close automatically in the event of a fire, or (b) doors for which an **approved** fire safety plan contains provisions for closing in the event of a fire.
PROPOSED OFC CHANGE	2.2.3.5. (1) Except as provided in Sentence (2), doors in **fire separations** in occupied **buildings** shall (a) be kept in the closed position when not in use, and (b) be **checked** as frequently as necessary to ensure they remain closed. (2) Sentence (1) does not apply to (a) doors designed to close automatically in the event of a fire, or (b) doors for which an **approved** fire safety plan contains provisions for closing in the event of a fire.
PROBLEM	The Code requires doors in fire separations to be checked as frequently as necessary to ensure that they remain closed. Clearly the intent of the requirement is to ensure that doors in fire separations be maintained in the closed position, however there is no requirement actually stating that doors in fire separations must be maintained in the closed position when not in use.
RATIONALE FOR CHANGE	The proposed change will clarify the intent of the requirement and enhance building occupant safety.
IMPACT	Improved enforcement.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.4.1.1.(5)**
Corresponding NFC Change	**Division: B**	**Reference Number: 2.4.1.1.(5)**
DESCRIPTION OF PROPOSED CHANGE	Add new Clause (d) to include alternative provision for sprinklering the plenum and amend Clauses (b) and (c) editorially to accommodate the new provision.	
EXISTING OFC PROVISIONS	(4) … (5) Abandoned optical fibre cables and electrical wires and cables, with combustible insulation, jackets, or sheaths, and nonmetallic raceways shall be removed from a **plenum** unless (a) they are permanently closed by the structure or finish of the **building**, (b) their removal would disturb the structure or finish of the **building**, or (c) their removal could affect the performance of cables in use. (6) …	
PROPOSED OFC CHANGE	(4) … (5) Abandoned optical fibre cables and electrical wires and cables, with combustible insulation, jackets, or sheaths, and nonmetallic raceways shall be removed from a **plenum** unless (a) they are permanently closed by the structure or finish of the **building**, (b) their removal would disturb the structure or finish of the **building**, (c) their removal could affect the performance of cables in use, or (d) the **plenum** space is **sprinklered**. (6) …	
PROBLEM	The existing provision does not take into consideration sprinkler protection in plenums, which is expected to prevent the spread of a fire beyond the ignition or exposure source.	

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposed change allows a relaxation of the requirement to remove cables if the plenum space is sprinklered throughout. The presence of sprinklers is expected to prevent the spread of a fire beyond the ignition or exposure source.
IMPACT	Increased flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.6.1.1.**
Corresponding NFC Proposed Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add an application statement to Subsection 2.6.1. with an exclusion for single dwelling units and renumber all existing Articles.
EXISTING OFC PROVISIONS	2.6.1.1. Defective **appliances** in a **building** shall be removed, repaired or replaced when the defective **appliances** create a hazardous condition. 2.6.1.2. Bins containing solid fuel shall be located at least 1.2 m from any **appliance**. …
PROPOSED OFC CHANGE	2.6.1.1. This Subsection applies to heating, ventilating and air-conditioning equipment, including their associated **appliances** and installations. 2.6.1.2. This Subsection does not apply to exhaust and ventilating systems serving a single **dwelling unit**. 2.6.1.3. Defective **appliances** shall be removed, repaired or replaced when the defective **appliances** create a hazardous condition. 2.6.1.4. Bins containing solid fuel shall be located at least 1.2 m from any **appliance**. ….
PROBLEM	The application of this Subsection is unclear. In the absence of an application statement, the requirements can be applied to any appurtenances referenced, whether or not they are part of a heating, ventilating and air-conditioning system. It is also not the intent of the Subsection to apply to exhaust and ventilating systems serving a single dwelling unit.
RATIONALE FOR CHANGE	The proposed change limits the application of requirements to only those systems that provide heating, ventilating or air-conditioning in buildings and specifically excludes the application to exhaust and ventilating systems serving a single dwelling unit. Common exhaust and ventilating systems serving multi-unit occupancies will continue to be regulated.
IMPACT	Improved clarity.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.6.1.12.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (1) by changing the term 'commercial cooking equipment' to 'cooking operations'. Add new Sentence (3) to provide exemptions to Sentence (1) for dwelling units and where insignificant quantities of grease laden vapours are generated. Relocate Sentence (3) to (4). See also proposed change to Article 2.6.1.13.
EXISTING OFC PROVISIONS	2.6.1.12. (1) Commercial cooking equipment shall be provided with exhaust and fire protection systems in conformance with NFPA 96, "Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations". (2) Despite Sentence (1), existing exhaust or fire protection systems may be **approved**. (3) In a **hotel establishment** regulated by Section 9.9, commercial cooking equipment that complies with Article 9.9.2.19. is deemed to be in compliance with Sentence (1).
PROPOSED OFC CHANGE	2.6.1.12. (1) Cooking operations producing smoke or grease-laden vapours shall be provided with exhaust and fire protection systems in conformance with NFPA 96, "Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations". (2) Despite Sentence (1), existing exhaust or fire protection systems may be **approved**. (3) Sentence (1) does not apply to (a) individual **dwelling units**, or (b) cooking operations producing insignificant quantities of smoke or grease-laden vapours that are controlled by other measures and are **approved**. (4) In a **hotel establishment** regulated by Section 9.9, commercial cooking equipment that complies with Article 9.9.2.19. is deemed to be in compliance with Sentence (1).

PROBLEM	Article 2.6.1.12. refers only to “commercial cooking equipment’, which could be too restrictive in its application. For example, other types of cooking operations can pose similar fire hazards by producing similar quantities of grease-laden vapours. On the other hand there are some cooking operations that do not pose similar risks because the quantities of grease-laden vapours are insignificant.
RATIONALE FOR CHANGE	The Article is revised to harmonize with the Building Code for purposes of application to other types of hazardous cooking operations and provides discretion to the Chief Fire Official to allow for alternative protection commensurate to the risk.
IMPACT	Improves enforcement for all potentially hazardous cooking operations.
IMPACT ON OTHER CODE PROVISIONS	Consistent with proposed change to Article 2.6.1.13.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	Clause (3) (a) Note[1] Clause (3) (b) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.6.1.13.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Article 2.6.1.13. to clarify application of the requirement. See also proposed change to Article 2.6.1.12.
EXISTING OFC PROVISIONS	2.6.1.13. Commercial cooking equipment exhaust and fire protection systems shall be maintained in conformance with NFPA 96, “Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations”.
PROPOSED OFC CHANGE	2.6.1.13. Except within an individual **dwelling unit**, cooking equipment exhaust and fire protection systems required in Article 2.6.1.12. shall be maintained in conformance with NFPA 96, “Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations”.
PROBLEM	Article 2.6.1.13. refers only to "commercial cooking equipment", which could be too restrictive in its application.
RATIONALE FOR CHANGE	The Article is revised to harmonize with the Building Code for purposes of application to other types of hazardous cooking operations with exhaust and fire protection systems that need to be maintained in accordance with the standard.
IMPACT	Improves enforcement for all potentially hazardous cooking operations.
IMPACT ON OTHER CODE PROVISIONS	Consistent with proposed change to Article 2.6.1.12.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.6.3.4.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 2.6.3.4.(1) to provide prescriptive requirements for 'as-of-right' cooking fires that will limit the size of cooking fires to be commensurate with the size of food being cooked.
EXISTING OFC PROVISIONS	2.6.3.4. (1) Open-air burning shall not be permitted unless **approved**, or unless such burning consists of a small, confined fire, supervised at all times, and used to cook food on a grill or a barbecue. (2) Sentence (1) does not apply to an **appliance** that is in conformance with the **Technical Standards and Safety Act, 2000**, is for outdoor use and is installed in accordance with the manufacturer's instructions.
PROPOSED OFC CHANGE	2.6.3.4. (1) Open-air burning shall not be permitted unless (a) **approved**, or (b) unless such burning consists of a small, confined fire, (i) that is used to cook food on a grill, barbecue or spit, (ii) is commensurate to the type and quantity of food being cooked, and (iii) is supervised at all times. (2) Sentence (1) does not apply to an **appliance** that is in conformance with the **Technical Standards and Safety Act, 2000**, is for outdoor use and is installed in accordance with the manufacturer's instructions.
PROBLEM	Enforcing restrictions on the size of the fire is difficult with the existing code language.
RATIONALE FOR CHANGE	The proposed change limits the size of ‘as-of-right’ cooking fires to ensure they are limited in size commensurate with the food being cooked.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.7.1.7.(2),(3)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (2) and add a new Sentence (3) to provide for the installation of motion sensors for lighting in accordance with the Building Code.	
EXISTING OFC PROVISIONS	2.7.1.7. (1) … (2) Lighting provided for illumination in **exits** and **access to exits**, including corridors used by the public, shall be maintained.	
PROPOSED OFC CHANGE	2.7.1.7. (1) … (2) Except as provided in Sentence (3), lighting provided for illumination in **exits** and **access to exits**, including corridors used by the public, shall be maintained. (3) Lighting may be controlled by motion sensors in accordance with the **Building Code**.	
PROBLEM	The existing provisions of the Fire Code may be interpreted to restrict the use of motion sensors.	
RATIONALE FOR CHANGE	The proposed change enables the energy efficiency measures introduced under the Building Code.	
IMPACT	None.	
IMPACT ON OTHER CODE PROVISIONS	N/A	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	2.7.1.7.(3) Note[1]	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.7.2.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (1) to include the exception in Sentence (4) for rapid transit stations. Modify Clause (1)(b) to apply only to doors that provide access to exits.
EXISTING OFC PROVISIONS	2.7.2.2. (1) Except as permitted in Sentences (2) and (3), locking, latching and other fastening devices on (a) every required **exit** door, and (b) every door that opens into or is located within (i) a **public corridor**, (ii) a facility that provides **access to exit** from a **suite**, or (iii) a facility that provides **access to exit** from a room serving patients or residents in a **care or detention occupancy** shall be such that the door can be readily opened to permit egress without requiring keys, special devices or specialized knowledge of the door opening mechanism. …
PROPOSED OFC CHANGE	2.7.2.2. (1) Except as permitted in Sentences (2) to (4), locking, latching and other fastening devices on (a) every required **exit** door, and (b) every door in an **access to exit** that opens into or is located within (i) a **public corridor**, (ii) a facility that provides **access to exit** from a **suite**, or (iii) a facility that provides **access to exit** from a room serving patients or residents in a **care or detention occupancy** shall be such that the door can be readily opened to permit egress without requiring keys, special devices or specialized knowledge of the door opening mechanism. …
PROBLEM	Sentence (1) does not acknowledge the exception for transit stations stated in Sentence (4). As written Clause (1)(b) applies to doors, such as doors to closets, that are not access to exits doors

RATIONALE FOR CHANGE	The first change will ensure that the code applies only to doors used by occupants to gain access to exits. The second change clarifies that transit stations are exempt.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	N/A
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.7.2.2.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise provision to provide consistency with similar requirement in the Building Code.
EXISTING OFC PROVISIONS	2.7.2.2. (1) Except as permitted in Sentences (2) and (3), locking, latching and other fastening devices on (a) every required **exit** door, and (b) every door that opens into or is located within (i) a **public corridor**, (ii) a facility that provides **access to exit** from a **suite**, or (iii) a facility that provides **access to exit** from a room serving patients or residents in a **care or detention occupancy** shall be such that the door can be readily opened to permit egress without requiring keys, special devices or specialized knowledge of the door opening mechanism. …
PROPOSED OFC CHANGE	2.7.2.2. (1) Except as permitted in Sentences (2) and (3), locking, latching and other fastening devices on (a) every required **exit** door, and (b) every door that opens into or is located within (i) a **public corridor**, (ii) a facility that provides **access to exit** from a **suite**, or (iii) a facility that provides **access to exit** from a room serving patients or residents in a **care or detention occupancy** shall be such that the door can be readily opened from the inside with not more than one releasing operation and without requiring keys, special devices or specialized knowledge of the door opening mechanism. …

PROBLEM	The requirement to have doors openable without the use of keys, special devices or specialized knowledge of the door opening mechanism, should also include the requirement to be able to easily open the door with only a single releasing operation. This would limit the number of fastening devices and the complexity of the operation and improve the ease of quickly opening an egress door in an emergency situation.
RATIONALE FOR CHANGE	Consistency with wording of the OBC.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.7.3.2.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add a new Sentence to require the maintenance of photoluminescent exit signs.
EXISTING OFC PROVISIONS	**2.7.3.2. Exit** signs shall be illuminated, externally or internally, as appropriate for each sign's design, while the **building** is occupied.
PROPOSED OFC CHANGE	**2.7.3.2. (1) Exit** signs shall be illuminated, externally or internally, as appropriate for each sign's design, while the **building** is occupied. (2) Where **exit** signs incorporate self-luminous or photoluminescent material, the **exit** signs shall be maintained in accordance with the manufacturer's maintenance instructions and the conditions outlined in the approval of the designated evaluation body under the **Building Code**, as applicable.
PROBLEM	Replacement of lighting fixtures and failure to continue to illuminate or otherwise maintain exit signs that incorporate self-luminous or photoluminescent material (PLM) may affect the functionality of the sign.
RATIONALE FOR CHANGE	To ensure that the photoluminescent exit signage remains functional as intended.
IMPACT	Improved enforcement. Accommodation for new technology.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	2.7.3.2.(2) [F10,F82-OS1.5]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE - OFC Record	**Division: B**	**Reference Number: 2.8.1.1.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add buildings or premises that have a "contained use area" or "impeded egress zone" to the application list for this section in Sentence (2).
EXISTING OFC PROVISIONS	2.8.1.1.(2) Despite Sentence (1), the requirements of this Section shall apply to **buildings** or premises (a) containing 4 **storeys** or more, including **storeys** below **grade**, (b) subject to the provisions of Subsection 3.5.3., (c) subject to the provisions of Article 4.1.5.6., (d) subject to the provisions of Article 4.12.4.1., (e) regulated by Section 9.3, (f) subject to the provisions of Sentence 9.5.3.1.(3), or (g) used as a convalescent home or children's custodial home providing sleeping accommodation for more than three persons.
PROPOSED OFC CHANGE	(2) Despite Sentence (1), the requirements of this Section shall apply to **buildings** or premises (a) containing 4 **storeys** or more, including **storeys** below **grade**, (b) subject to the provisions of Subsection 3.5.3., (c) subject to the provisions of Article 4.1.5.6., (d) subject to the provisions of Article 4.12.4.1., (e) regulated by Section 9.3, (f) subject to the provisions of Sentence 9.5.3.1.(3), (g) used as a convalescent home or children's custodial home providing sleeping accommodation for more than three persons, or (h) that have a **contained use area** or **impeded egress zone**.

PROBLEM	Many occupancies, such as banks and police stations, may have rooms or areas where the occupants have to rely on others for safe egress in a fire emergency, and specific measures to ensure their safety should be identified in a fire safety plan. Also, it is understood that some of these occupancies may be classified under the Building Code as business and personal services occupancies, which would exclude them from Section 2.8, Emergency Planning, of the current Fire Code if the occupant load is less than the prescribed threshold.
RATIONALE FOR CHANGE	See above.
IMPACT	Minimal. Some building owners or leaseholders may face increased costs to develop and implement a fire safety plan if they do not already have one.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.8.1.2.(3)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 2.8.1.2.(3) to refer to Article 2.8.2.2.	
EXISTING OFC PROVISIONS	2.8.1.2. … (3) It is not necessary that **supervisory staff** be in the **building** on a continual basis.	
PROPOSED OFC CHANGE	2.8.1.2. … (3) Except as required in Article 2.8.2.2., it is not necessary that **supervisory staff** be in the **building** on a continual basis.	
PROBLEM	There is an apparent conflict between the wording of Sentence 2.8.1.2.(3) that states supervisory staff need not be in a building continuously, and Article 2.8.2.2. that states supervisory staff shall be available. Clause 2.8.2.2.(2)(b) in particular, says that supervisory staff shall be on duty.	
RATIONALE FOR CHANGE	Clarifies the intent of the provision.	
IMPACT	Improved clarity.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.8.2.1.(4),(5)**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.2. – 5.6.1.3.**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (4) to include specific requirements under which a fire safety plan shall be reviewed and modified. Add new Sentence (5) requiring the fire safety plan to be reviewed resulting from the circumstances described in Sentence (4) and subsequent changes to be prepared and implemented, where necessary. Change existing Sentence (5) to Sentence (6)
EXISTING OFC PROVISIONS	(4) The fire safety plan shall be reviewed as often as necessary, but at intervals not greater than 12 months, to ensure that it takes account of changes in the use and other characteristics of the **building**. (5) The **approval** specified in Sentence (2) does not apply to a **hotel establishment** with respect to which approval, as defined in Sentence 1.1.6.2.(5) of **Ontario Regulation 388/97 (Fire Code)** as it read on December 31, 2006, was granted for so long as such approval is valid.
PROPOSED OFC CHANGE	(4) The fire safety plan shall be reviewed (a) as often as necessary, but at intervals not greater than 12 months, to ensure that it takes account changes in the use and other characteristics of the **building**, and (b) where **demolition** or construction, including hot surface applications, occur in or on an occupied **building**, to incorporate (i) temporary alternative measures for the fire safety of the occupants, and (ii) temporary procedures to control fire hazards associated with the proposed **demolition** or construction, including procedures to mitigate risks to adjacent **buildings**. (5) Temporary measures and procedures required by Sentence (4) shall be prepared and implemented. (6) The **approval** specified in Sentence (2) does not apply to a **hotel establishment** with respect to which approval, as defined in Sentence 1.1.6.2.(5) of **Ontario Regulation 388/97 (Fire Code)** as it read on December 31, 2006, was granted for so long as such approval is valid.

PROBLEM	Demolition and construction involving alterations and additions at an occupied building pose foreseeable fire risks to the occupants. In buildings required to have a fire safety plan, it is necessary to review such proposed changes for implementing suitable alternative measures and incorporate precautions to control fire hazards in the fire safety plan, where applicable.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposal addresses an identified risk by prescribing circumstances under which a review of the fire safety plan is required to address alternative measures and fire hazards associated with construction (including hot surface applications) and demolition in occupied buildings.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.13.1.1.**
Corresponding NFC Record	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Expand the smoke alarm installation requirements in this Section to also include sleeping rooms not located in a dwelling unit, excluding buildings regulated by Part 9 of the Fire Code. Correct Sentence (7) reference to proper OBC Subsection. Correct reference in Sentence (5) to proper OFC Sentence.
EXISTING OFC PROVISIONS	Subsection 2.13.1. Scope 2.13.1.1. (1) Except as provided in Sentence (2), this Section applies to all **dwelling units**. (2) This Section does not apply to **dwelling units** in **buildings** that are regulated under the scope of Part 9, including dwelling units regulated under Section 9.8. ***(3) …*** Subsection 2.13.2. Installation 2.13.2.1. (1) **Smoke alarms** conforming to CAN/ULC-S531, "Standard for Smoke Alarms", shall be installed in accordance with this Article. (2) Except as provided in Sentence (7), **smoke alarms** shall be installed between each sleeping area and the remainder of the **dwelling unit**, and where the sleeping areas are served by hallways, the **smoke alarms** shall be installed in the hallways. (3) In addition to the requirements in Sentence (2), at least one **smoke alarm** shall be installed on each **storey** that does not contain a sleeping area in a **dwelling unit**. (4) **Smoke alarms** shall be installed by permanent connections to an electrical circuit and shall have no disconnect switch between the overcurrent device and the **smoke alarm**. (5) Battery-operated **smoke alarms** are deemed to be in compliance with Sentence (3). (6) Existing **smoke alarms** meeting the requirements of ULC-S531-1978, "Standard for Smoke Alarms", are deemed to be in compliance with Sentence (1). (7) Sentence (2) does not apply where **smoke alarms** are installed in each bedroom in accordance with Subsection 9.10.18. of Division B of the

	Building Code.
PROPOSED OFC CHANGE	Subsection 2.13.1. Scope 2.13.1.1. (1) Except as provided in Sentence (2), this Section applies to all **dwelling units** and sleeping rooms not located within a **dwelling unit**. (2) This Section does not apply to **dwelling units** and sleeping rooms not located within a **dwelling unit,** in **buildings** that are regulated under the scope of Part 9, including dwelling units regulated under Section 9.8. (3) … Subsection 2.13.2. Installation 2.13.2.1. (1) **…** (2) Except as provided in Sentence (7), **smoke alarms** shall be installed (a) between each sleeping area and the remainder of the **dwelling unit**, and where the sleeping areas are served by hallways, the **smoke alarms** shall be installed in the hallways, and (b) in sleeping rooms not within a **dwelling unit**. (3) … (4) **Smoke alarms** shall be installed by permanent connections to an electrical circuit and shall have no disconnect switch between the overcurrent device and the **smoke alarm**. (5) Battery-operated **smoke alarms** are deemed to be in compliance with Sentence (4). (6) … (7) Sentence (2) does not apply where **smoke alarms** are installed in each bedroom in accordance with Subsection 9.10.19. of Division B of the **Building Code**.
PROBLEM	Currently, smoke alarm requirements for sleeping rooms of boarding, lodging and rooming facilities that fall outside the scope of Part 9 of the Fire Code, or any other stand alone sleeping rooms not in dwelling units are not clearly specified within the Fire Code.
RATIONALE FOR CHANGE	Addresses an inadvertent gap in the regulatory requirements for smoke alarms in sleeping rooms.
IMPACT	Increased clarity.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 2.13.2.1.(6)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Update referenced standard for existing smoke alarms in Sentence 2.13.2.1.(6) to a more recent edition of the standard.	
EXISTING OFC PROVISIONS	2.13.2.1.(6) Existing **smoke alarms** meeting the requirements of ULC-S531-1978, "Standard for Smoke Alarms", are deemed to be in compliance with Sentence (1).	
PROPOSED OFC CHANGE	2.13.2.1.(6) Existing **smoke alarms** meeting the requirements of CAN/ULC-S531-M87, "Standard for Smoke Alarms", are deemed to be in compliance with Sentence (1).	
PROBLEM	Older smoke alarms may not operate as intended.	
RATIONALE FOR CHANGE	See above.	
IMPACT	Minimal, however, some older smoke alarms may need to be replaced.	
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to related provisions in Part 6 and Part 9, as applicable.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 3.3.2.1.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Delete existing Sentence 3.3.2.1.(1) and replace with 3 Sentences to provide clarity. New Sentence 3.3.2.1.(1) deletes the height limit for application of this Subsection and clarifies that this Subsection also applies to indoor storage in bin boxes, on shelves and on racks. Sentence (1) also references exemptions in new Sentences (2) and (3). New Sentence (2) provides an exemption of this Subsection's requirements for special hazard commodities, except for aisles for fire fighting in Article 3.3.2.6. Existing Sentence (2) is unchanged but is re-numbered to Sentence (4). See also related change to Sentence 3.3.2.2.(5) and (6).
EXISTING OFC PROVISIONS	3.3.2.1. (1) This Subsection applies to the indoor general storage of combustible or noncombustible solids with combustible packaging or storage aids to a height of 6.4 m, except that this Subsection does not apply to the bulk storage of unpackaged grain, coal or similar commodities, or special hazard commodities covered elsewhere in this Code. (2) When **flammable liquids** or **combustible liquids** are stored with products covered by this Subsection, the liquids shall meet the requirements of the applicable provisions of Part 4.
PROPOSED OFC CHANGE	3.3.2.1. (1) Except as provided in Sentences (2) and (3), this Subsection applies to the indoor general storage of combustible or noncombustible solids with combustible packaging or storage aids, including storage in bin boxes, shelves or racks. (2) Except as provided in Article 3.3.2.6., this Subsection does not apply to special hazard commodities covered elsewhere in this Code. (3) This Subsection does not apply to the bulk storage of unpackaged grain, coal or similar commodities. (4) When **flammable liquids** or **combustible liquids** are stored with products covered by this Subsection, the liquids shall meet the requirements of the applicable provisions of Part 4.

PROBLEM	▪ Currently, the existing Subsection does not apply to general indoor storage above 6.4 m in height so it is not clear to building owners what fire safety regulations apply to storage above this height. ▪ Existing Sentence 3.3.2.1.(1) does not clearly specify whether the Subsection applies to storage involving bin boxes, shelves or racks. ▪ Aisles for fire fighting purposes outlined in Sentences 3.3.2.6.(1) and (2) should also apply to special hazard commodity storage specified elsewhere in the Fire Code.
RATIONALE FOR CHANGE	Revisions are required to more clearly specify the application of requirements in Subsection 3.3.2. including the application to indoor general storage over 6.4 m in height [refer to related change to Sentence 3.3.2.2.(5) and (6)].
IMPACT	This change facilitates compliance and enforcement..
IMPACT ON OTHER CODE PROVISIONS	Fire department access requirements outlined in Sentences 3.2.3.6.(1) and (2) would now apply to special hazard commodity storage specified elsewhere in the Fire Code as a result of proposed Sentence 3.3.2.1.(2). See also related change to Sentence 3.3.2.2.(5) and (6).
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	3.3.2.1.(1) Note[1] 3.3.2.1.(2) Note[1] 3.3.2.1.(3) Note[1] 3.3.2.1.(4) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 3.3.2.2.(1)-(3)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Delete Sentences 3.3.2.2.(1), (2) and (3). New Sentences (1) and (2) replace the term “individual storage piles” with the defined term “individual storage area”. New Sentence (3) deletes the word “pile”.
EXISTING OFC PROVISIONS	3.3.2.2. (1) The area of individual storage piles shall not exceed 500 m^2 in **buildings** that are not **sprinklered**. (2) The area of individual storage piles shall not exceed 1000 m^2 in **sprinklered buildings**. (3) Heights of storage piles in **buildings** that are not **sprinklered** shall not exceed 4.5 m. …
PROPOSED OFC CHANGE	3.3.2.2. (1) An **individual storage area** shall not exceed 500 m^2 in **buildings** that are not **sprinklered**. (2) An **individual storage area** shall not exceed 1000 m^2 in **sprinklered buildings**. (3) Heights of storage in **buildings** that are not **sprinklered** shall not exceed 4.5 m.
PROBLEM	The Fire Code uses the terms "individual storage pile" and "individual storage area" interchangeably. This has caused confusion with Code users.
RATIONALE FOR CHANGE	Use of defined term “individual storage area” harmonizes with the NFC.
IMPACT	Minimal.
IMPACT ON OTHER CODE PROVISIONS	Corresponding editorial changes will be required to “pile” and “storage pile” references in other provisions of the Subsection as appropriate.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 3.3.2.2.(5),(6)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Add new Sentence 3.3.2.2.(5) to require storage over 6.4 m in height to be sprinklered in accordance with NFPA 13. New Sentence (6) will permit the Chief Fire Official to approve existing sprinkler installations. See related change to Article 3.3.2.1.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	3.3.2.2. **....** (5) Except as provided in Sentence (6), **buildings** containing **individual storage areas** that exceed 6.4 m in height shall be protected with a sprinkler system designed and installed in conformance with NFPA 13, "Installation of Sprinkler Systems". (6) Where a **sprinklered building** contains **individual storage areas** that exceed 6.4 m in height on <the date the regulation comes into force>, the existing sprinkler system may be **approved**.	
PROBLEM	Section 3.3.2. does not currently apply to indoor storage over 6.4 m in height. In addition, the Code does not prescribe a specific sprinkler design criteria for protected indoor storage up to 6.4 m in height. However, storage above 6.4 m in height presents an additional fire risk that warrants sprinkler protection in accordance with recognized industry standards.	
RATIONALE FOR CHANGE	The proposed change will ensure that sprinkler installations for indoor general storage over 6.4 m in height will be designed and installed in accordance with a recognized design standard consistent with industry practice. Discretion is provided for the Chief Fire Official to approve sprinkler systems existing on <the date the regulation comes into force> if they are deemed to provide a reasonable level of fire protection. This change will move the OFC closer to harmonizing with the requirements of the NFC.	
IMPACT	The costs are anticipated to be minimal as the proposal reflects industry practice and allowance is made for existing systems which may not meet the standard.	

IMPACT ON OTHER CODE PROVISIONS	See related change to Article 3.3.2.1.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	(5) - [F02-OS1.2,OP1.2] (6) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 3.3.3.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise existing Article to clarify the application of Subsection 3.3.3.
EXISTING OFC PROVISIONS	3.3.3.1. This Subsection shall apply to the storage of ammonium nitrate in quantities exceeding 1000 kg in the form of crystals, flakes, grains or prills, including fertilizer grade or other mixtures containing 60% or more ammonium nitrate by weight, but does not apply to blasting agents or fertilizer storage on railways regulated by the Canadian Transport Commission.
PROPOSED OFC CHANGE	3.3.3.1. (1) Except as provided in Sentence (2), this Subsection applies to the storage of ammonium nitrate in a pure form or a mixture, where (a) the storage exceeds 1000 kg, and (b) the mixture contains 60% or more ammonium nitrate by weight. (2) This Subsection does not apply to (a) blasting agents, or (b) ammonium nitrate and ammonium nitrate mixture storage on railways regulated by the Canadian Transport Commission.
PROBLEM	The application statement is confusing with regards to the term ‘fertilizer grade’ and to what the 60% concentration is intended to apply to. Further, the exemption for ‘fertilizer storage on railways…’is misleading in that ammonium nitrate and ammonium nitrate mixed fertilizers are regulated on the right-of-way owned or leased by any railway company subject to the jurisdiction of the Canadian Transportation Commission under the Ammonium Nitrate Storage Facilities Regulations, C.R.C., c. 1145. For this reason it is necessary to change the wording from ‘fertilizer storage’ to ‘ammonium nitrate’.
RATIONALE FOR CHANGE	The proposed change clarifies the application of this Subsection and will facilitate enforcement.
IMPACT	Improved clarity.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.1.7.2.(4)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.1.7.2.(4)**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (4) to clarify that the mechanical ventilation system design stipulated is an acceptable alternative to that provided in Sentence (3).
EXISTING OFC PROVISIONS	4.1.7.2. (1) … (4) Where a mechanical ventilation system is installed to meet the conditions of Sentence (3), it shall be capable of exhausting at least 18 m^3/h per square metre of room area, but not less than 250 m^3/h. (5) …
PROPOSED OFC CHANGE	4.1.7.2. (1) … (4) A mechanical ventilation system is deemed to comply with Sentence (3) if it is capable of exhausting at least 18 m³/h per square metre of room area, but not less than 250 m³/h. (5) …
PROBLEM	The existing wording in Sentence (4) would require that 18 m^3/h per square metre is the least ventilation rate required to meet the provisions of Sentence (3). However, one would still be required to conduct an evaluation to ensure that the requirement of Sentence (3) is also met. The Sentence (4) provision would require a very large ventilation rate when the dispensing operation is carried out in a large area even though spot ventilation could achieve the desired fire safety. This could be very onerous and not likely to achieve any additional safety, as the specified ventilation rate in Sentence (4) would achieve the provisions of Sentence (3) in almost all cases. NFPA 30 permits the level of ventilation in Sentence (4) to be deemed acceptable. (See 7-3.4.2. in 2003 edition.)
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. This code change will provide a specification rate for ventilation that would meet the performance specification required in Sentence (3).
IMPACT	Increased flexibility and potential cost reduction.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.1.7.3.(1)-(2)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.1.7.3.(1)-(2)**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (1) to state the intent of this provision in performance language to ensure air movement to all portions of the room. Add new Sentence (2) to clarify that conformance to existing Sentences (2) and (3) will achieve the desired performance.
EXISTING OFC PROVISIONS	4.1.7.3. (1) Ventilation air inlets and outlets within a room or enclosed space referred to in Article 4.1.7.1. shall be arranged in conformance with Sentences (2) and (3). (2) Where the flammable vapour being removed is heavier than air, (a) at least one air inlet shall be located near a wall, no higher than 300 mm from the floor, and (b) at least one air outlet shall be located near the opposite wall, no higher than 300 mm from the floor. (3) Where the flammable vapour being removed is lighter than air, (a) …
PROPOSED OFC CHANGE	4.1.7.3. (1) Ventilation air inlets and outlets within a room or enclosed space referred to in Article 4.1.7.1. shall be arranged so as to provide air movement in all portions of the room to prevent the accumulation of flammable vapours in conformance with Sentence 4.1.7.2.(3). (2) Inlets and outlets conforming to Sentences (3) or (4) shall be deemed to have met the requirements of Sentence (1). (3) Where the flammable vapour being removed is heavier than air, (a) … (4) Where the flammable vapour being removed is lighter than air, (a) …
PROBLEM	Any mechanical ventilation system needs make up air otherwise it would not work. The existing provisions do not provide flexibility in design and does not state the performance expected. The requirement should be stated as a performance as opposed to specifications to provide flexibility.

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Improved flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	4.1.7.3.(1) - [F01-OS1.1,OP1.1] 4.1.7.3.(2) - Note[1] 4.1.7.3.(3) - [F01-OS1.1,OP1.1] 4.1.7.3.(4) - [F01-OS1.1,OP1.1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.1.1.(1)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.2.1.1.(1)**
DESCRIPTION OF PROPOSED CHANGE	Revise Clause 4.2.1.1.(1)(c) to refer to "intermediate" bulk containers.	
EXISTING OFC PROVISIONS	4.2.1.1. (1) Except as provided in Sentence (2), this Section applies to the storage, handling and use of **flammable liquids** or **combustible liquids** in (a) … (c) intermodal bulk containers conforming to Clause 4.2.3.1.(1)(a) having an individual capacity of not more than 3000 L.	
PROPOSED OFC CHANGE	4.2.1.1. (1) Except as provided in Sentence (2), this Section shall apply to the storage, handling and use of **flammable liquids** or **combustible liquids** that are in (a) … (c) intermediate bulk containers conforming to Clause 4.2.3.1.(1)(a) having an individual capacity of not more than 3000 L.	
PROBLEM	Clause 4.2.3.1.(1)(a) references TDG Regulations, which in turn references CGSB-43.146-1994. This standard refers to "intermediate bulk containers" and not "intermodal bulk containers". As such an editorial change should be made.	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. This is an editorial change from "intermodal" bulk containers to "intermediate" bulk containers.	
IMPACT	None.	
IMPACT ON OTHER CODE PROVISIONS	None.	

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.1.1.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	A new clause is added to exempt the incidental use of alcohol-based hand sanitizers from the provisions of Section 4.2.
EXISTING OFC PROVISIONS	**SECTION 4.2 CONTAINER STORAGE AND HANDLING** Subsection 4.2.1. Scope ***Application*** 4.2.1.1. (1) … (2) Except as otherwise stated in this Part, this Section shall not apply to (a) bulk plants covered in Section 4.6, **refineries** covered in Section 4.8 and **distilleries** covered in Section 4.9, (b) liquids in the fuel tank of motors or engines, (c) **distilled beverage alcohol** in **closed containers** when stored in conformance with Part 3 in Division B of NRC, "National Fire Code of Canada 2005", (d) food and pharmaceutical products when in **closed containers** having a capacity of not more than 5 L, or (e) products containing not more than 50% by volume of water-miscible **flammable liquids** or **combustible liquids** with the remainder of the solution being nonflammable, when in **closed containers** having a capacity of not more than 5 L. (3) …
PROPOSED OFC CHANGE	**SECTION 4.2 CONTAINER STORAGE AND HANDLING** Subsection 4.2.1. Scope ***Application*** 4.2.1.1. (1) Except as provided in Sentence (2) **…** (2) Except as otherwise stated in this Part, this Section shall not apply to (a) bulk plants covered in Section 4.6, **refineries** covered in Section 4.8 and **distilleries** covered in Section 4.9,

	(b) liquids in the fuel tank of motors or engines, (c) **distilled beverage alcohol** in **closed containers** when stored in conformance with Part 3 in Division B of NRC, "National Fire Code of Canada 2005", (d) food and pharmaceutical products when in **closed containers** having a capacity of not more than 5 L, (e) the incidental use of alcohol-based hand sanitizer pharmaceutical products in dispensers of maximum 1.2 L capacity, or (f) products containing not more than 50% by volume of water-miscible **flammable liquids** or **combustible liquids** with the remainder of the solution being nonflammable, when in **closed containers** having a capacity of not more than 5 L. …
PROBLEM	While Clause 4.2.1.1.(2)(d) exempts food and pharmaceutical products in closed containers, there is no specific exemption for the dispensing of alcohol-based hand sanitizers.
RATIONALE FOR CHANGE	Permitting the location and incidental use of alcohol based hand sanitizer dispensers in general areas of buildings reflects a common practice that involves little risk.
IMPACT	Improved compliance.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.4.2.(1)-(3)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.2.4.2.(1)(2)**

DESCRIPTION OF PROPOSED CHANGE	Sentences 4.2.4.2.(1) to (3) are revised so that the maximum specified quantities of liquids are also permitted in each "fire compartment with a fire-resistance rating of at least 1 hr".
EXISTING OFC PROVISIONS	4.2.4.2. (1) Except as provided in Sentence (4) and in Articles 4.2.4.5. and 4.2.4.6., the maximum quantity of **flammable liquids** or **combustible liquids** stored in a **building** shall conform to Sentences (2) and (3). (2) When a single class of liquid is stored in a **building**, the total quantity of liquid shall not exceed (a) 30 L of Class I liquids, (b) 150 L of Class II liquids, or (c) 600 L of Class IIIA liquids. (3) When two or more classes of liquid are stored in the same **building**, the total quantity permitted for each class of liquid shall be calculated as follows: $qI/30 + qII/150 + qIIIA/600 \leq 1$ where qI = the actual quantity of Class I liquid present, in litres, qII = the actual quantity of Class II liquid present, in litres, and qIIIA = the actual quantity of Class IIIA liquid present, in litres.
PROPOSED OFC CHANGE	4.2.4.2. (1) Except as provided in Sentence (4) and in Articles 4.2.4.5. and 4.2.4.6., the maximum quantity of **flammable liquids** or **combustible liquids** stored in a **building**, or a **fire compartment** with a **fire-resistance rating** of at least 1 hr, shall conform to Sentences (2) and (3). (2) When a single class of liquid is stored in a **building** or a **fire compartment** with a **fire-resistance rating** of at least 1 hr, the total quantity of liquid shall not exceed (a) 30 L of Class I liquids, (b) 150 L of Class II liquids, or

	(c) 600 L of Class IIIA liquids. (3) When two or more classes of liquid are stored in the same **building** or **fire compartment** with a **fire-resistance rating** of at least 1 hr, the total quantity permitted for each class of liquid shall be calculated as follows: $qI/30 + qII/150 + qIIIA/600 \leq 1$ where qI = the actual quantity of Class I liquid present, in litres, qII = the actual quantity of Class II liquid present, in litres, and qIIIA = the actual quantity of Class IIIA liquid present, in litres.
PROBLEM	Where there are multiple assembly and residential occupancies in a building, such as strip plaza and row housing, it becomes difficult to enforce the provisions on each tenant, as the total quantity permitted pertains to the entire building.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. This change permits the prescribed maximum liquids quantities in each fire compartment, which is consistent with how tenanted spaces are often subdivided.
IMPACT	Improved flexibility and enforcement.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.5.1.(1) (new)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.2.5.1.(1)**
DESCRIPTION OF PROPOSED CHANGE	An application statement is introduced for Subsection 4.2.5.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	***Application*** 4.2.5.1.(1) This Subsection applies to the storage and handling of **flammable liquids** and **combustible liquids** in **mercantile occupancies**.	
PROBLEM	Subsection 4.2.5. does not have an application statement	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The change clarifies the intent of Subsection 4.2.5.	
IMPACT	None.	
IMPACT ON OTHER CODE PROVISIONS	Existing Articles 4.2.5.1. to 4.2.5.3. will be renumbered.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	Note[1]	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.5.3.**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.2.5.4.**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence (2) to provided exception to Sentence (1) for paint tinting operations. Sentence (1) is revised to reference new exception in Sentence (2)
EXISTING OFC PROVISIONS	4.2.5.2. (1) **Flammable liquids** and **combustible liquids** in **mercantile occupancies** shall be kept in **closed containers**. (2) … ***Transfer*** 4.2.5.3. In **mercantile occupancies**, transfer of **flammable liquids** or **combustible liquids** from or into containers shall only be permitted in a storage room conforming to Subsection 4.2.9.
PROPOSED OFC CHANGE	4.2.5.2. (1) Except as provided in Article 4.2.5.3., **flammable liquids** and **combustible liquids** in **mercantile occupancies** shall be kept in **closed containers**. (2) … ***Transfer*** 4.2.5.3. (1) Except as permitted in Sentence (2), in **mercantile occupancies**, transfer of **flammable liquids** or **combustible liquids** from or into containers shall only be permitted in a storage room conforming to Subsection 4.2.9. (2) Tinting operations involving paint containers not exceeding 25 L in capacity may be carried out in **mercantile occupancies** outside of a storage room conforming to Subsection 4.2.9.
PROBLEM	Paint tinting operations in retail stores involve very small quantities of products being transferred, and the Code should not prohibit such an operation outside of a storage room conforming to Subsection 4.2.9.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. New exception recognizes reduced hazard from paint tinting operations involving small paint containers.

IMPACT	Reduction in cost impact for paint tinting operations in mercantile occupancies.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	(1) [F01-OS1.1,OP1.1] [F02,F03,F44-OS1.2,OP1.2] (2) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.7.5.(4)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.2.7.5.(4)**

DESCRIPTION OF PROPOSED CHANGE	Sentence (4) is revised to delete the preamble "two or more classes" and introduces a more comprehensive formula that includes quantities for rack storage and quantities for solid piled and palletized storage.
EXISTING OFC PROVISIONS	4.2.7.5. (1) … (4) When two or more classes of liquids are stored in a single **fire compartment**, the maximum quantity permitted for each class of liquid shall be calculated as follows: $qIA/QIA + qIB/QIB + qIC/QIC + qII/QII + qIIIA/QIIIA \leq 1$ where qIA,IB or IC = the actual quantity of Class IA, IB or IC liquid present, qII = the actual quantity of Class II liquid present, qIIIA = the actual quantity of Class IIIA liquid present, QIA,IB or IC = the maximum quantity of Class IA, IB or IC liquid permitted in Table 4.2.7.A. or 4.2.7.B. for the arrangement, QII = the maximum quantity of Class II liquid permitted in Table 4.2.7.A. or 4.2.7.B. for the arrangement, and QIII = the maximum quantity of Class IIIA liquid permitted in Table 4.2.7.A. or 4.2.7.B. for the arrangement.
PROPOSED OFC CHANGE	4.2.7.5. (1) … (4) When **flammable liquids** or **combustible liquids** are stored in a solid pile or palletized configuration, or a **rack** storage configuration, or a combination of both, in a single **fire compartment**, the maximum quantity permitted for each class of liquid shall be calculated as follows: $\left[qIA/QIA + qIB/QIB + qIC/QIC + qII/QII + qIIIA/QIIIA\right]_{rack} + \left[qIA/QIA + qIB/QIB + qIC/QIC + qII/QII + qIIIA/QIIIA\right]_{solid\ piled\ or\ palletized} \leq 1$ where qIA, IB or IC = the actual quantity of Class IA, IB or IC liquids present in **rack**, or solid piled, or palletized, qII = the actual quantity of Class II liquids present in a

	rack, or solid piled, or palletized, qIIIA = the actual quantity of Class IIIA liquids present in a **rack**, or solid piled, or palletized, QIA, IB, IC = the maximum quantity of Class IA, IB or IC liquids permitted in Table 4.2.7.A. or Table 4.2.7.B. for the arrangement, QII = the maximum quantity of Class II liquids permitted in Table 4.2.7.A. or Table 4.2.7.B. for the arrangement, QIIIA = the maximum quantity of Class IIIA liquids permitted in Table 4.2.7.A. or Table 4.2.7.B. for the arrangement.
PROBLEM	The existing formula can be used when the storage in a fire compartment is either solid piled/palletized or rack storage. When a fire compartment has both solid piled/palletized and rack storage, it is not clear as to what maximum quantities from the tables should be used or how this should be calculated. This Sentence also implies that two or more classes of liquids is needed, whereas it could be the same class of liquids in both racks and solid piled/palletized storage arrangements.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. New Sentence (4) clarifies how the maximum quantities can be determined when storage is provided in either solid piled/palletized or rack storage configurations, or a combination of both.
IMPACT	Improved clarity..
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.7.9.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Replace reference to 3.2.2.2. of the NFC with 3.3.2.5. and 3.3.2.6. of the OFC.	
EXISTING OFC PROVISIONS	4.2.7.9. Except as provided in Article 4.2.7.10., main aisles, access aisles and aisles defining **individual storage areas** shall be in conformance with Article 3.2.2.2. in Division B of NRC, "National Fire Code of Canada 2005".	
PROPOSED OFC CHANGE	4.2.7.9. Except as provided in Article 4.2.7.10., main aisles, access aisles and aisles defining **individual storage areas** shall be in conformance with Articles 3.3.2.5. and 3.3.2.6.	
PROBLEM	The reference in Article 4.2.7.9. to Article 3.2.2.2. of the NFC can be replaced with a reference to Articles 3.3.2.5. and 3.3.2.6. of the OFC with similar requirements.	
RATIONALE FOR CHANGE	Removal of a reference to an external document (NFC).	
IMPACT	Improved ease of use.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.2.10.2.**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.2.10.2.(1)**

DESCRIPTION OF PROPOSED CHANGE	Revise this Article to remove current specific restrictions on quantities of Class I liquids in storage cabinets.
EXISTING OFC PROVISIONS	4.2.10.2. The maximum quantity of **flammable liquids** and **combustible liquids** stored in a cabinet shall be 500 L, of which not more than 250 L shall be Class I liquids.
PROPOSED OFC CHANGE	4.2.10.2. The maximum quantity of **flammable liquids** and **combustible liquids** stored in a cabinet shall be 500 L.
PROBLEM	There is no reason for limiting the quantity of Class I liquid in a cabinet to 250 L. NFPA 30 Committee has adopted a change to remove similar restrictions on Class I liquids in storage cabinets.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. Flammable and combustible liquids in cabinets must be in closed containers. Any leakage would be less than the 500 L. Even in a drum cabinet leakage from one drum would not exceed 250 L. When stored in closed containers in a cabinet, the hazard presented by a Class I liquid is not significantly greater than that presented by a Class II liquid. There is no real reason to restrict the quantity of Class I liquids to 250 L. This change will be consistent with NFPA 30-2003 edition and will assist harmonization between the two documents.
IMPACT	Increased flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.1.2.(1), (10)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.1.2.(1)**
DESCRIPTION OF PROPOSED CHANGE	Revision to remove outdated referenced standards ULC-S630, ULC-S643, ULC/ORD-C58.10 and ULC/ORD-C142.23 for storage tanks, and update the standard name for ULC-S601.	
EXISTING OFC PROVISIONS	4.3.1.2. (1) Except as required in Sentences (2), (4), (6) and (8) and permitted in Sentences (3), (5) and (7) and in Section 4.9, **atmospheric storage tanks** shall be built in conformance with (a) API 12B, "Bolted Tanks for Storage of Production Liquids", (b) API 12D, "Field Welded Tanks for Storage of Production Liquids", (c) API 12F, "Shop Welded Tanks for Storage of Production Liquids", (d) API 650, "Welded Steel Tanks for Oil Storage", (e) ULC-S601, "Shop Fabricated Steel Aboveground Horizontal Tanks for Flammable and Combustible Liquids", (f) CAN/ULC-S602, "Aboveground Steel Tanks for Fuel Oil and Lubricating Oil", (g) CAN/ULC-S603, "Steel Underground Tanks for Flammable and Combustible Liquids", (h) CAN/ULC-S603.1, "External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids", (i) CAN4-S615, "Reinforced Plastic Underground Tanks for Petroleum Products", (j) ULC-S630, "Shop Fabricated Steel Aboveground Vertical Tanks for Flammable and Combustible Liquids", (k) CAN/ULC-S643, "Shop Fabricated Steel Aboveground Utility Tanks for Flammable and Combustible Liquids", (l) ULC-S652, "Tank Assemblies for Collection of Used Oil", (m) ULC-S653, "Aboveground Steel Contained Tank Assemblies for Flammable and Combustible Liquids", (n) ULC/ORD-C58.10, "Jacketed Steel Underground Tanks for	

	Flammable and Combustible Liquids", (o) ULC/ORD-C142.5, "Concrete Encased Steel Aboveground Tank Assemblies for Flammable and Combustible Liquids", (p) ULC-S655, "Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids", or (q) ULC/ORD-C142.23, "Aboveground Waste Oil Tanks".
PROPOSED OFC CHANGE	4.3.1.2. (1) Except as required in Sentences (2), (4), (6) and (8) and permitted in Sentences (3), (5) and (7) and in Section 4.9, **atmospheric storage tanks** shall be built in conformance with (a) API 12B, "Bolted Tanks for Storage of Production Liquids," (b) API 12D, "Field Welded Tanks for Storage of Production Liquids," (c) API 12F, "Shop Welded Tanks for Storage of Production Liquids," (d) API 650, "Welded Steel Tanks for Oil Storage," (e) CAN/ULC-S601, "Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids," (f) CAN/ULC-S602, "Aboveground Steel Tanks for Fuel Oil and Lubricating Oil," (g) ULC-S603, "Steel Underground Tanks for Flammable and Combustible Liquids," (h) CAN/ULC-S603.1, "External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids," (i) ULC-S615, "Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids," (j) ULC-S652, "Tank Assemblies for Collection of Used Oil," (k) ULC-S653, "Aboveground Steel Contained Tank Assemblies for Flammable and Combustible Liquids," (l) ULC-S655, "Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids," or (m) ULC/ORD-C142.5, "Concrete Encased Steel Aboveground Tank Assemblies for Flammable and Combustible Liquids." … (10) In service storage tanks that do not comply with Sentence (1) are permitted to remain in service provided that the tanks are not leaking and meet on < date this regulation comes into force>, the requirements of

	Ontario Regulation 213/07 (Fire Code).
PROBLEM	Revise the reference to reflect the revised title for the latest edition of CAN/ULC-S601 standard. The reference to ULC-S630 and ULC-S643 standards should be deleted as the requirements are now covered by the reference to latest edition of CAN/ULC-S601 standard. As well, ULC/ORD-C58.10 and ULC/ORD-C142.23 are both being withdrawn by ULC and the requirements moved into other standards in Article 4.3.1.2.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Adoption of current editions for standards should have minimal impact. The proposal includes an exception for existing installations provided the tanks are not leaking and otherwise comply with the current Code. Documents will be more readily available and will reflect current technology and good practices.
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Table 1.2.1.A of Division B.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.1.8.**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.1.8.(1)(2)**
DESCRIPTION OF PROPOSED CHANGE	Revise the reference standard in Clause (1)(b) and add Sentence (2) to apply to tight-filled storage tanks.	
EXISTING OFC PROVISIONS	4.3.1.8. (1) A **storage tank** shall be prevented from being overfilled by providing (a) continuous supervision of the filling operations by personnel qualified to supervise such operations, or (b) an overfill protection device conforming to ULC/ORD-C58.15, "Overfill Protection Devices for Flammable Liquid Storage Tanks".	
PROPOSED OFC CHANGE	4.3.1.8. (1) Except as required in Sentence (2), a **storage tank** shall be prevented from being overfilled by providing (a) continuous supervision of the filling operations by personnel qualified to supervise such operations, or (b) an overfill protection device conforming to ULC-S661, "Overfill Protection Devices for Flammable and Combustible Liquid Storage Tanks". (2) Tight-filled **storage tanks** shall be prevented from being overfilled by providing a positive shut-off device conforming to ULC-S661, "Overfill Protection Devices for Flammable and Combustible Liquid Storage Tank." (3) The requirements of Sentence (2) do not apply to tight-filled **storage tanks** that meet, on <*date regulation comes into force*>, the requirements of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day.	
PROBLEM	A positive shutoff device is required on a tight-filled tank because it is not possible to visually determine if overfilling of the tank is occurring.	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposal addresses the risk of accidentally over-filling tight-filled storage tanks.	

IMPACT	Minimal for Sentence (1) as options are still provided. Cost associated with Sentence (2) would vary between $500 to $1,500 per device. The proposal provides an exclusion for existing tight-filled storage tanks to comply with new Sentence (2) in recognition of the potential retrofit impact. Existing tight-filled tanks will continue to be subject to Sentence (1).
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	4.3.1.8.(1) - No Change. 4.3.1.8.(2) - [F43-OS1.1,OP1.1] 4.3.1.8.(3) – Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.3.1.(1)(3)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.3.1.**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (1) to remove reference to appendices of referenced standards. Revise Sentence (3) for clarity.
EXISTING OFC PROVISIONS	4.3.3.1. (1) **Storage tanks** shall rest on the ground or on foundations, supports or piling made of concrete, masonry or steel in conformance with (a) Appendix B of API 650, "Welded Steel Tanks for Oil Storage", and (b) Appendices C and D of API 620, "Design and Construction of Large, Welded, Low Pressure Storage Tanks". (2) … (3) Except for steel saddles that are less than 300 mm high at their highest point, supports for **storage tanks** shall provide a **fire-resistance rating** of not less than 2 h.
PROPOSED OFC CHANGE	4.3.3.1. (1) **Storage tanks** shall rest on the ground or on foundations, supports or piling made of concrete, masonry or steel. (2) … (3) Where the clearance below the base of the tank exceeds 300 mm tank supports shall have a minimum *fire-resistance rating* of 2 h.
PROBLEM	Sentence (1) - Foundation or supports are relative to the standard to which the tank has been built. Appendices C and D of API 620 and Appendix B of API 650 standards provide common practices regarding foundations and attached structures and therefore, are not requirements. Sentence (3) - It is not clear when a 2 h fire-resistance rating on the structure supporting storage tanks is required.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. (3) - The intent of Sentence (3) is to provide 2 h fire-resistance rating on tank supports when the clearance below the base of the tanks to the supporting material is more than 300 mm.

IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Table 1.2.1.A of Division B.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.3.2.(1)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.3.2.(1)**

DESCRIPTION OF PROPOSED CHANGE	Revise reference to standard in Clause (1)(b)
EXISTING OFC PROVISIONS	4.3.3.2. (1) In areas subject to earthquake forces, **storage tanks**, supports and connections shall be designed to resist such forces in conformance with (a) Part 4 in Division B of the **Building Code**, and (b) Appendix A of ULC-S630, "Shop Fabricated Steel Aboveground Vertical Tanks for Flammable and Combustible Liquids".
PROPOSED OFC CHANGE	4.3.3.2. (1) In areas subject to earthquake forces, **storage tanks**, supports and connections shall be designed to resist such forces in conformance with (a) Part 4 in Division B of the **Building Code**, and (b) Appendix A2 of CAN/ULC-S601, "Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids".
PROBLEM	The reference to the ULC-S630 standard should be revised to reflect the new consolidated CAN/ULC-S601-07 standard where the provisions are now contained.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Table 1.2.1.A of Division B.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.7.4.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	In Subclause (2)(a)(i) change reference from "4.3.1.2.(l), (m), (o), (p) or (q)" to "4.3.1.2.(j), (k), (l) or (m)". In Subclause (2)(a)(ii) change reference from "4.3.1.2.(1)(e), (j) or (k)" to "4.3.1.2.(1)(e)".
EXISTING OFC PROVISIONS	4.3.7.4. … (2) It is permitted to waive the distance required in Sentence (1) provided the **storage tank** (a) is constructed in accordance with (i) Clause 4.3.1.2.(1)(l), (m), (o), (p) or (q), incorporating secondary containment, or (ii) Clause 4.3.1.2.(1)(e), (j) or (k) for double-walled **storage tanks**, (b) …
PROPOSED OFC CHANGE	4.3.7.4. … (2) It is permitted to waive the distance required in Sentence (1) provided the **storage tank** (a) is constructed in accordance with (i) Clause 4.3.1.2.(1)(j), (k), (l), or (m), incorporating secondary containment, or (ii) Clause 4.3.1.2.(1)(e) for double-walled **storage tanks**, (b) …
PROBLEM	With the withdrawal of ULC/ORD-C142.23 and ULC/ORD-C58.10 by ULC and the subsequent renumbering of Clauses in Sentence 4.3.1.2.(1), these references require renumbering.
RATIONALE FOR CHANGE	See above.
IMPACT	None.

IMPACT ON OTHER CODE PROVISIONS	This change is based on revisions occurring to Sentence 4.3.1.2.(1).
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.7.7.**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.7.7.(1)**
DESCRIPTION OF PROPOSED CHANGE	Revise requirement to clarify which contained spaces of the secondary containment of storage tanks need monitoring devices.	
EXISTING OFC PROVISIONS	4.3.7.7. Where the contained space created by the secondary containment is not accessible for visual examination, a monitoring device shall be provided to indicate the presence of liquid in, or the loss of integrity of, the secondary containment.	
PROPOSED OFC CHANGE	4.3.7.7. Where the contained space created by the secondary containment is not accessible for an internal visual examination, and the secondary containment is not sloped so as to permit liquid to flow to a specific location that can be monitored, a monitoring device shall be provided to indicate the loss of integrity of the secondary containment.	
PROBLEM	The existing provision does not recognize that many of these storage tanks are designed with a floor slope in the contained space of the secondary containment to flow leaks to a point where they can be easily monitored. This is an acceptable practice, so that only tanks where this isn't provided need monitoring devices. Code wording is needed to reflect this.	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. This change ensures that the monitoring of the secondary containment occurs at a point where liquid will gather, which supports the original intent of the requirement.	
IMPACT	Improved clarity and flexibility.	
IMPACT ON OTHER CODE PROVISIONS	None.	

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.8.1.**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.8.1.**

DESCRIPTION OF PROPOSED CHANGE	Replace Sentence (1) with a new requirement for double-walled construction for underground tanks. Existing Sentences (1) and (2) are renumbered.
EXISTING OFC PROVISIONS	***Location*** 4.3.8.1. (1) Underground **storage tanks** shall be located so that (a) foundations of existing **buildings** will not be undermined during excavation, and (b) loads from **building** foundations and supports are not transmitted to the tank. (2) Underground **storage tanks** shall be separated by a horizontal distance of not less than (a) …
PROPOSED OFC CHANGE	***Construction and Location*** 4.3.8.1. (1) **Storage tanks** installed underground shall be of double-walled construction and shall be built in conformance with the underground **storage tank** standards identified in Sentence 4.3.1.2.(1). (2) Underground **storage tanks** shall be located so that (a) foundations of existing **buildings** will not be undermined during excavation, and (b) loads from **building** foundations and supports are not transmitted to the tank. (3) Underground **storage tanks** shall be separated by a horizontal distance of not less than (a) … (4) In service **storage tanks** that do not comply with Sentence (1) are permitted to remain in service provided that the tanks are not leaking and meet, on <*date regulation comes into force*>, the requirements of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day.
PROBLEM	Single-walled tanks have been identified as a major source of leakage and all new installations should be a double-wall type.

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	There should be an additional cost of approximately $10 000/tank for a 50 000 L tank. Providing double-walled construction underground storage tanks is a cost effective way of limiting the expenses related to soil contamination from leaks. The majority of industry is presently providing double-walled construction underground storage tank and therefore the impact on the industry is not seen as severe. However, the proposal includes an exception for existing installations provided the tanks are not leaking and otherwise comply with the current Code.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	4.3.8.1.(1) [F01,F43-OS1.1][F01,F43-OP1.1] (2) [F81-OS1.1,OP1.1] (3) (a) [F21-OS1.1,OP1.1] (b) [F01,F20,F21,F81-OS1.1,OP1.1] (c) [F20,F81-OS1.1,OP1.1] (4) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.9.1.(1)(2)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.9.1.(1)(2)**

DESCRIPTION OF PROPOSED CHANGE	Revise the Article by removing Sentence (2) and consolidated information in two Clauses in Sentence (1), and updating the referenced standard from Sentence (2).
EXISTING OFC PROVISIONS	4.3.9.1. (1) Except as provided in Sentence (2), underground steel **storage tanks** and associated piping and fittings subject to corrosion shall be protected in conformance with CAN/ULC-S603.1, "External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids". (2) A steel **storage tank** not conforming to Sentence (1) is permitted provided (a) it conforms to ULC/ORD-C58.10, "Jacketed Steel Underground Tanks for Flammable and Combustible Liquids", or (b) it has corrosion protection conforming to good engineering practice such as described in PACE Report No. 87-1, "Impressed Current Method of Cathodic Protection of Underground Petroleum Storage Tanks", published by the Canadian Petroleum Products Institute.
PROPOSED OFC CHANGE	4.3.9.1. (1) Underground steel **storage tanks** and integral fittings subject to corrosion shall be (a) protected in conformance with CAN/ULC-S603.1, "External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids," or (b) protected by impressed current in conformance with NACE RPO285, "Corrosion Control of Underground Storage Tank Systems by Cathodic Protection."
PROBLEM	The PACE Report is not readily available and is outdated.

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. NACE (National Association of Corrosion Engineers) oversees more than 300 technical committees that research, study, and recommend state-of-the-art corrosion technologies to both the public and private sectors. These committees produce consensus industry standards in the form of test methods, recommended practices and material requirements. This NACE standard provides recommendation for controlling external corrosion on underground storage tank systems by cathodic protection.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Table 1.2.1.A of Division B.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.10.3.(4)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.11.3.(4)**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (4) to remove exception for vent alarms in lieu of vent piping extension into the storage tank.	
EXISTING OFC PROVISIONS	4.3.10.3. (1) … (4) Vent piping shall enter the **storage tank** through the top of the tank and shall not extend into the tank more than 25 mm except when the vent is equipped with a vent alarm. (5) …	
PROPOSED OFC CHANGE	4.3.10.3. (1) … (4) Vent piping shall enter the **storage tank** through the top of the tank and shall not extend into the tank more than 25 mm. (5) … (6) The requirements of Sentence (4) do not apply to vent piping that meets on, <*date regulation comes into force*>, the requirements of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day, and the vent alarm remains operational.	
PROBLEM	The existing provision allows an exception for the vent piping of an underground storage tank when the vent is equipped with a vent alarm. Vent alarms are not approved for outdoor use and are known to freeze up, so this should not be an ongoing allowance in Sentence (4).	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.	
IMPACT	New tanks installations will not be permitted the exception for vent alarms, however, an allowance is made for existing tanks equipped with such alarms provided the alarms are maintained in operating condition.	
IMPACT ON OTHER CODE PROVISIONS	None.	

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.11.3.(2)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.12.3.(2)**

DESCRIPTION OF PROPOSED CHANGE	Revised Sentence (2) to position fill points of underground storage tanks relative to the discharge point of the tank's vents.
EXISTING OFC PROVISIONS	4.3.11.3. (1) … (2) Remote fill outlets from an underground **storage tank** shall not be located higher than other outlets from the tank. (3) …
PROPOSED OFC CHANGE	4.3.11.3. (1) … (2) The fill point of an underground **storage tank** shall not be located higher than the discharge point of the tank's vent. (3) …
PROBLEM	The existing provision does not allow remote fill outlets to be located higher than other outlets in the tank. In an underground tank the remote fill outlet is often higher than other outlets, in particular at marinas where the tank is located above the high water table and the dispenser is at the dock. The important issue regarding the height of any fill outlets is in relation to the vent. The fill point should never be higher than the discharge point of the vent, generally the only open outlet in an underground storage system.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. This change addresses the intent of the requirement to limit the probability that liquid will escape through tank openings during filling operations.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.11.3.(6),(7)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.12.3.(6),(7)**
DESCRIPTION OF PROPOSED CHANGE	New requirements in Sentences (6) and (7) that apply to fill points below normal liquid levels in underground storage tanks.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	4.3.11.3. (1) … (6) If a fill piping system has an offset component from the fill point on the **storage tank**, all fill pipes shall be (a) double-walled, (b) sloped to the **storage tank**, and (c) electronically monitored for leak detection. (7) Where the fill point is below the normal liquid level in the **storage tank**, (a) the fill line shall be equipped with a manual or automatic valve located at the fill point to prevent spillage when the fill cap is removed, and (b) if the **storage tank** contains **flammable liquids** or **combustible liquids**, the fill line drop tube shall be equipped with a method to prevent siphoning of the tank's content should a leak occur in the fill line. (8) In service piping systems that do not comply with Sentences (6) and (7) are permitted to remain in service provided that the piping is not leaking and meets, on <*date regulation comes into force*>, the requirements of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day.	
PROBLEM	Remote-fill operations that have offset fill lines have been identified as sources of spillage. A code change is needed to address a void in the OFC with regard to fill pipes that are not directly vertical over the tank. In situations where a normal liquid level in a tank is higher than the filling point, liquid residue in the line could lead to spillage upon disconnection.	

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Cost of the device in Sentence (7) will vary based on its operation mode. Exceptions are made for existing installations provided the piping is not leaking and otherwise complies with the current Code.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	**4.3.11.3**.(6)(a) - [F43-OS1.1,OP1.1] **4.3.11.3.(6)(**b) - [F43-OS1.1,OP1.1] **4.3.11.3.(6)(**c) - [F82-OS1.2,OP1.2] **4.3.11.3.(**7) - [F43-OS1.1,OP1.1] 4.3.11.3.(8) – Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.12.A. (Table)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.13.4.A. (Table)**

DESCRIPTION OF PROPOSED CHANGE

Revision to title of Table 4.3.12.A. to make it specific to industrial occupancies.

EXISTING OFC PROVISIONS

TABLE 4.3.12.A.

Indoor Tank Storage Forming Part of Article 4.3.12.4.

Class of Liquid	Storage Level	Maximum Quantity per Storage Room(1), L, One or More Tanks	
		Protected(2)	Unprotected Storage
Class I	**First Storey**	40000	25000
	Storeys above the **first storey**	7500	Not permitted
	Basement	Not permitted	Not permitted
Class II and IIIA	**First Storey**	200000	100000
	Storeys above the **first storey**	20000	Not permitted
	Basement	20000	Not permitted

Notes to Table 4.3.12.A.:

(1) See Subsection 4.3.13.

(2) See Article 4.2.7.7.

PROPOSED OFC CHANGE

TABLE 4.3.12.A.

Indoor Tank Storage in Industrial Occupancies Forming Part of Article 4.3.12.4. and 4.3.12.6.(1)

Class of Liquid	Storage Level	Maximum Quantity per Storage Room[1], L, One or More Tanks (Q)	
		Protected[2]	Unprotected Storage
Class I	**First Storey**	40000	25000
	Storeys above the **first storey**	7500	Not permitted
	Basement	Not permitted	Not permitted
Class II and IIIA	**First Storey**	200000	100000
	Storeys above the **first storey**	20000	Not permitted
	Basement	20000	Not permitted

Notes to Table 4.3.12.A.:

(1) See Subsection 4.3.13.

(2) See Article 4.2.7.7.

PROBLEM

The quantities allowed in Table 4.3.12.A. are applied to the storage of flammable liquids and combustible liquids in industrial occupancies, and the Table title should clarify this.

RATIONALE FOR CHANGE

This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.

IMPACT

Improved clarity.

IMPACT ON OTHER CODE PROVISIONS

None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.12.7.(1)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.13.9.**

DESCRIPTION OF PROPOSED CHANGE	Clause (1)(a) is revised to clarify intent to contain a 100% spill from the largest storage tank.
EXISTING OFC PROVISIONS	4.3.12.7. (1) Where **storage tanks** for **flammable liquids** or **combustible liquids** are located outside of storage rooms conforming to Subsection 4.3.13., (a) provision shall be made, in conformance with Subsection 4.1.6., to contain 100% of the volume of the largest **storage tank** or to drain away spilled **flammable liquids** or **combustible liquids**, (b) ….
PROPOSED OFC CHANGE	4.3.12.7. (1) Where **storage tanks** for **flammable liquids** or **combustible liquids** are located outside of storage rooms conforming to Subsection 4.3.13., (a) provision shall be made, in conformance with Subsection 4.1.6., to contain a spill equal to at least 100% of the volume of the largest **storage tank** or to drain away spilled **flammable liquids** or **combustible liquids**, (b) ….
PROBLEM	The tank already has a capacity to contain 100% of volume. There is a need to clarify that provision should be made to contain a spill equal to 100% of tank volume.
RATIONALE FOR CHANGE	The change clarifies that provision must be made to contain a spill equal to the volume of the tank. This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Improved clarity and enforcement.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.13.1.(1)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.14.1.(1)**

DESCRIPTION OF PROPOSED CHANGE	Revise clause (b) to clarify that a 100% spill from the largest tank is to be contained.
EXISTING OFC PROVISIONS	4.3.13.1. (1) Rooms for **storage tanks** inside **buildings** shall be (a) … (b) designed to contain 100% of the volume of the largest **storage tank**, or to drain away spilled **flammable liquids** or **combustible liquids** in conformance with Subsection 4.1.6., (c) ….
PROPOSED OFC CHANGE	4.3.13.1. (1) Rooms for **storage tanks** inside **buildings** shall be (a) … (b) designed to contain a spill equal to at least 100% of the volume of the largest **storage tank**, or to drain away spilled **flammable liquids** or **combustible liquids** in conformance with Subsection 4.1.6., (c) ….
PROBLEM	The existing wording in Clause 4.3.13.1.(1)(b) is unclear and could lead to enforcement problems.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposed change would clarify that the room must now be designed to contain the spill and the volume of that containment should be at least equal to the volume of the largest tank.
IMPACT	Improved clarity and enforcement.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.3.17.4.(3)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.3.16.4.**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence (3) to clarify practices when underground piping is removed.
EXISTING OFC PROVISIONS	***Removal*** 4.3.17.4. (1) When underground **storage tanks** have no further use or have been out of service for two years or longer, such tanks, together with connected piping and dispensers, shall (a) have all **flammable liquids** and **combustible liquids** removed from them, (b) be purged of vapours, and (c) except as permitted in Article 4.3.17.5., be removed from the ground. (2) If contaminated, soil surrounding the storage tanks described in Sentence (1) shall be replaced with clean fill.
PROPOSED OFC CHANGE	***Removal of tanks or piping*** 4.3.17.4. (1) … (3) The removal, abandonment in place, disposal or temporary taking out of service of an underground piping system shall be in conformance with good engineering practice.
PROBLEM	There is no provision for removal practices of out of service underground piping systems, which, in some cases, could still hold significant volume of flammable liquid or combustible liquids.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	4.3.17.4.(3) - [F01,F43,F44,F81-OS1.1,OP1.1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.4.1.2.**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.5.6.1.**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence 4.4.1.2.(1) for underground piping construction requirements.
EXISTING OFC PROVISIONS	**Subsection 4.4.1. Scope** ***Application*** 4.4.1.1. (1) ….
PROPOSED OFC CHANGE	**Subsection 4.4.1. Scope and Construction** ***Application*** 4.4.1.1. (1) … ***Piping construction*** 4.4.1.2. (1) Except for vents risers and vertical fill piping systems, underground piping systems shall be of double-walled construction. (2) In service piping systems that do not comply with Sentence (1) are permitted to remain in service provided that the piping is not leaking and meets, on <*date regulation comes into force*>, the requirements of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day.
PROBLEM	Single-walled underground piping is a known major leak source, which could be a fire or explosion source if the liquids leak into the soil, and liquids or vapours migrate into buildings.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. To reduce a well-defined known risk of pipe leakage that can lead to fire risks.

IMPACT	This is common industry practice and additional cost for the pipe material is offset by the reduced cost for soil decontamination and underground water source treatment. Additionally, the industry is currently installing double-walled piping systems. This new requirement would be a cost increment in the material itself but is considered marginal when compared to the overall cost for a complete underground tank storage installation. However, the proposal includes an exception for existing installations provided the tanks are not leaking and otherwise comply with the current Code.
IMPACT ON OTHER CODE PROVISIONS	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	4.4.1.2.(1) - [F01,F43-OS1.1,OP1.1] 4.4.1.2.(2) – Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE - OFC Record	**Division: B**	**Reference Number: 4.4.2.1.(3)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.5.2.1.(3)**

DESCRIPTION OF PROPOSED CHANGE	Update Sentence (3) to reflect new standard.
EXISTING OFC PROVISIONS	4.4.2.1. (1) … (3) Non-metallic piping systems are permitted to be used for underground installations provided they conform to (a) ULC/ORD-C107.7, "Glass Fibre Reinforced Plastic Pipe and Fittings for Flammable Liquids", or (b) ULC/ORD-C107.4, "Ducted Flexible Underground Piping Systems for Flammable and Combustible Liquids". (4) …
PROPOSED OFC CHANGE	4.4.2.1. (1) … (3) Non-metallic piping systems are permitted to be used for underground installations provided they conform to CAN/ULC-S660, "Nonmetallic Underground Piping for Flammable and Combustible Liquids". (4) …
PROBLEM	ULC has replaced ULC/ORD-C107.4 and ULC/ORD-C107.7 with CAN/ULC-S660.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.4.3.1.(1),(2)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.5.3.1.(1),(2)**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (2) by applying requirements to underground "metal piping systems" and changing the referenced standard on corrosion protection to NACE SPO169.
EXISTING OFC PROVISIONS	4.4.3.1. (1) Except as provided in Sentence (2), all exposed or underground piping, valves, couplings, flanges and bolts that are fabricated of any ferrous substance shall be thoroughly coated with a rust-resistant compatible material. (2) Underground steel piping, valves and fittings that are in contact with the soil or groundwater shall be protected against corrosion in conformance with (a) CAN/ULC-S603.1, "External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids", or (b) good engineering practice such as described in PACE Report No. 87-1, "Impressed Current Method of Cathodic Protection of Underground Petroleum Storage Tanks", published by the Canadian Petroleum Products Institute.
PROPOSED OFC CHANGE	4.4.3.1. (1) Except as provided in Sentence (2), all exposed or underground piping, valves, couplings, flanges and bolts that are fabricated of any ferrous substance shall be thoroughly coated with a rust-resistant compatible material. (2) Underground metallic piping systems in contact with the soil or groundwater shall be protected against corrosion in conformance with (a) CAN/ULC-S603.1, "External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids", or (b) NACE SPO169, "Control of External Corrosion on Underground or Submerged Metallic Piping System".
PROBLEM	The PACE Report is not readily available and is outdated.

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. NACE (National Association of Corrosion Engineers), on the other hand, oversees more than 300 technical committees that research, study, and recommend state-of-the-art corrosion technologies to both the public and private sectors. These committees produce consensus industry standards in the form of test methods, recommended practices and material requirements. This NACE standard provides recommendation for controlling external corrosion on underground buried or submerged metallic piping systems by cathodic protection.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.4.7.9.(3)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.5.6.9.**
DESCRIPTION OF PROPOSED CHANGE	Add new Sentence (3) to require that where piping in trenches is covered, then the covering material must be noncombustible.	
EXISTING OFC PROVISIONS	4.4.7.9. (1) Where indoor piping for **flammable liquids** or **combustible liquids** is installed in trenches, a trapped drainage system conforming to Subsection 4.1.6. shall be provided. (2) When piping referred to in Sentence (1) ….	
PROPOSED OFC CHANGE	4.4.7.9. (1) Where indoor piping for **flammable liquids** or **combustible liquids** is installed in trenches, a trapped drainage system conforming to Subsection 4.1.6. shall be provided. (2) When piping referred to in Sentence (1) …. (3) Material used to cover indoor piping for **flammable liquids** or **combustible liquids**, located in trenches, shall be noncombustible.	
PROBLEM	If piping in trenches is covered with combustible material, this material could become contaminated with leaked flammable or combustible liquid and be susceptible to ignition.	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.	
IMPACT	Improved fire safety.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	4.4.7.9.(3) - [F01-OS1.1,OP1.2][F02-OS1.2,OP1.2]	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.4.7.13.(2)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.5.6.14.(2)**
DESCRIPTION OF PROPOSED CHANGE	Replace referenced standard in Clause (2)(b).	
EXISTING OFC PROVISIONS	4.4.7.13. (1) … (2) To prevent excessive stresses resulting from vibration, settling or temperature changes (a) … (b) flexible non-metallic pipe and fittings conforming to ULC/ORD-C971, "Nonmetallic Underground Piping for Flammable and Combustible Liquids", are permitted to be used where necessary in underground piping systems carrying **flammable liquids** or **combustible liquids**, or (c) …	
PROPOSED OFC CHANGE	4.4.7.13. (1) … (2) To prevent excessive stresses resulting from vibration, settling or temperature changes (a) … (b) flexible non-metallic pipe and fittings conforming to CAN/ULC-S660, "Nonmetallic Underground Piping for Flammable and Combustible Liquids", are permitted to be used where necessary in underground piping systems carrying **flammable liquids** or **combustible liquids**, or (c) …	
PROBLEM	ULC/ORD-C971 standard has been replaced with CAN/ULC-S660, and the Fire Code should reflect this change.	
RATIONALE FOR CHANGE	This change corresponds to a technical change to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.	
IMPACT	None.	

IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Table 1.2.1.A of Division B.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.5**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Replace the requirements of Section 4.5 with new Article 4.5.1.1. which references the National Fire Code.	
EXISTING OFC PROVISIONS	SECTION 4.5 FUEL DISPENSING STATIONS See existing Fire Code	
PROPOSED OFC CHANGE	SECTION 4.5 FUEL DISPENSING STATIONS Subsection 4.5.1. Scope ***Application*** 4.5.1.1. (1) Except as provided in Clause 4.1.1.2.(2)(b) this Section applies to the storage, handling and use of **flammable liquids** and **combustible liquids** at **fuel dispensing stations**. (2) The storage, handling and use of **flammable liquids** and **combustible liquids** at **fuel dispensing stations** shall comply with Section 4.6 in Division B of NRC, "National Fire Code of Canada 2010".	
PROBLEM	In Ontario, the vast majority of fuel dispensing stations are regulated by the Technical Standards and Safety Act.	
RATIONALE FOR CHANGE	See above. By continuing to reference the NFC provisions, any fuel dispensing station not regulated by the TSS Act will continue to be subject fire safety provisions.	
IMPACT	Increased harmonization with the NFC.	
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Table 1.2.1.A of Division B.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	Corresponding attributions in FCS-1 will be deleted.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.7.11.4.(1)**
Corresponding NFC Change	**Division: B**	**Reference Number: 4.8.11.4.(1)**
DESCRIPTION OF PROPOSED CHANGE	Revise Clause (1)(b) to clarify that the required device installed to prevent unwanted draining from the hose, upon its disconnection, be automatic in operation.	
EXISTING OFC PROVISIONS	4.7.11.4. (1) When transfer operations are completed, (a) …. (b) unless the cargo hose is equipped with a device that prevents liquid from draining from the hose, it shall be drained into appropriate containers that shall be emptied in such a fashion as to not create a fire or explosion hazard.	
PROPOSED OFC CHANGE	4.7.11.4.(1) When transfer operations are completed, (a) …. (b) unless the cargo hose is equipped with a device that automatically prevents liquid from draining from the hose upon its disconnection, the hose shall be drained so as not to create a fire or explosion hazard.	
PROBLEM	The wording in this Article should clarify that the referenced device must be automatic in operation and to provide more flexibility with drainage options.	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.	
IMPACT	Improved flexibility.	
IMPACT ON OTHER CODE PROVISIONS	None.	

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.12.3.1.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 4.12.3.1.(1) to clarify that flammable and combustible liquid containers used in laboratories can be sized up to 25 L in capacity, and are subject to different criteria based on their individual capacities.	
EXISTING OFC PROVISIONS	4.12.3.1. (1) Except as provided in Article 4.2.6.4., containers used for the storage of **flammable liquids** or **combustible liquids** in a laboratory shall be of not more than 5 L capacity and shall conform to Subsection 4.2.3.	
PROPOSED OFC CHANGE	4.12.3.1. (1) Containers used for the storage of **flammable liquids** or **combustible liquids** in a laboratory, shall (a) if up to 5L in capacity, conform to Subsection 4.2.3., or (b) if having a capacity greater that than 5 L, (i) be safety containers conforming to ULC/ORD-C30, "Safety Containers", and (ii) have a capacity of not more than 25L.	
PROBLEM	The current wording is unclear regarding requirements for flammable and combustible liquid containers used in laboratories.	
RATIONALE FOR CHANGE	This code change is needed to provide clarification of the intent. It also achieves consistency with the NFC.	
IMPACT	Improved clarity.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 4.12.10.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	The provisions of Clauses 4.1.5.9.(4) and (5) are relocated to new Subsection 4.12.10. and revised for clarification.
EXISTING OFC PROVISIONS	4.1.5.9. (1) … (4) Class I liquids not exceeding 250 L in quantity may be stored, handled or used in existing laboratories described in Subsection 4.12.1. where (a) continuous mechanical ventilation is provided to ensure that flammable vapour concentrations do not exceed 25% of the **lower explosive limit** in the **basement** or pit, (b) the continuous mechanical ventilation required in Clause (a) sounds an audible alarm in an attended area upon shutdown of the ventilation system, (c) the Class I liquids are located in a **fire compartment** separated from the rest of the **building** by a **fire separation** having a 1 h **fire-resistance rating**, (d) despite Article 4.1.5.6., the **building** has a fire safety plan in conformance with Section 2.8, (e) Class IA liquids are not stored in containers greater than 4 L in capacity, (f) except where all dispensing of Class I liquids is carried out in a power-ventilated enclosure in conformance with Articles 4.12.8.3. to 4.12.8.5. and where Class IA liquids are stored in storage cabinets in conformance with Article 4.2.10.5., the room is designed to prevent critical structural and mechanical damage from internal explosion in conformance with NFPA 68, “Guide for Venting of Deflagrations”, and (g) except where all sources of ignition within 0.9 m from the floor are eliminated, the room is provided with a flammable vapour detection system that will alarm in an attended location upon detection of vapour concentrations exceeding 10% of the **lower explosive limit**. (5) Despite Clause (4)(c), existing **fire separations** consisting of lath

	and plaster or gypsum board are deemed to be in compliance with Clause (4)(c).
PROPOSED OFC CHANGE	**Subsection 4.12.10. Laboratories in Basements** ***Laboratories in basements*** 4.12.10.1. (1) Despite Sentence 4.1.5.9.(1), existing laboratories may be located in **basements** where (a) the quantity of **flammable liquids** and **combustible liquids** that are stored, handled or used shall not exceed 300 L, of which not more than 250 L shall be **flammable liquids**, (b) continuous mechanical ventilation to the outdoors is provided to ensure that flammable vapour concentrations do not exceed 25% of the **lower explosive limit**, (c) the continuous mechanical ventilation required in Clause (b) sounds an audible alarm in an attended area upon shutdown of the ventilation system, (d) despite Article 4.1.5.6., the **building** has a fire safety plan in conformance with Section 2.8, (e) Class IA liquids are not stored in containers greater than 4 L in capacity, (f) except where all sources of ignition within 0.9 m from the floor are eliminated, the room is provided with a flammable vapour detection system that will alarm in an attended location upon detection of vapour concentrations exceeding 10% of the **lower explosive limit**, and (g) the room is designed to prevent critical structural and mechanical damage from internal explosion in conformance with NFPA 68, "Standard for Explosion Protection by Deflagration Venting", except where (i) all dispensing of **flammable liquids** is carried out in a power-ventilated enclosure in conformance with Articles 4.12.8.3. to 4.12.8.5., and (ii) Class IA liquids are stored in storage cabinets in conformance with Article 4.2.10.5.
PROBLEM	Users of the Code may overlook the provisions of Clause 4.1.5.9.(4) when applying Part 4 to laboratories. All specific requirements for laboratories should be located in Section 4.12.
RATIONALE FOR CHANGE	To ensure that users of the Code apply all provisions of Part 4 that apply to laboratories.

IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	Exceptions to Subsection 4.12.10. will be provided in Sentences 4.12.3.1.(2) and 4.12.8.1.(1). The renumbering may require corresponding editorial changes to other Code provisions.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.2**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Consolidate application statements in Articles 5.2.1.1. and 5.2.2.1. Relocate existing Article 5.2.2.2. to 5.2.1.3.	
EXISTING OFC PROVISIONS	**SECTION 5.2 EXPLOSIVES, FIREWORKS AND PYROTECHNICS** Subsection 5.2.1. Explosives ***Storage, handling and use*** 5.2.1.1. The storage, handling and use of explosives, blasting agents, detonators, propellant explosives, pyrotechnics and ammunition shall be in conformance with the **Explosives Act (Canada)** and the **Explosives Regulations** made under it. ***Fire emergency procedures*** 5.2.1.2. (1) Any person using, storing or handling explosives shall establish fire emergency procedures in conformance with Section 2.8 and that shall specify (a) the location and identification of storage and use areas, (b) methods to control a fire emergency safely and efficiently, and (c) the names, addresses and telephone numbers of persons to be contacted in case of fire during nonoperating hours. Subsection 5.2.2. Fireworks and Pyrotechnics ***Manufacture, storage, transportation and sale*** 5.2.2.1. The manufacture, storage, transportation and sale of fireworks and pyrotechnics shall be in conformance with the **Explosives Act (Canada)** and the **Explosives Regulations** made under it. ***Handling and discharge*** 5.2.2.2. The handling and discharge of fireworks and pyrotechnics shall conform with the NRCan, “Display Fireworks Manual” and NRCan, “Pyrotechnics Special Effects Manual”.	

PROPOSED OFC CHANGE	**SECTION 5.2 EXPLOSIVES, FIREWORKS AND PYROTECHNICS** Subsection 5.2.1. Explosives ***Manufacturing, handling, transportation, sale and use*** 5.2.1.1. The manufacturing, handling, transportation, sale and use of explosives shall be in conformance with the **Explosives Act (Canada)** and Regulations made under it. ***Fire emergency procedures*** 5.2.1.2. (1) Any person using, storing or handling explosives shall establish fire emergency procedures in conformance with Section 2.8 and that shall specify (a) the location and identification of storage and use areas, (b) methods to control a fire emergency safely and efficiently, and (c) the names, addresses and telephone numbers of persons to be contacted in case of fire during nonoperating hours. ***Handling and discharge of fireworks and pyrotechnics*** 5.2.1.3. The handling and discharge of fireworks and pyrotechnics shall conform with NRCan, "Display Fireworks Manual" and NRCan, "Pyrotechnics Special Effects Manual".
PROBLEM	The use of the term ‘explosives’ in conjunction with other terms (blasting agents, detonators etc.) already captured in the definition of explosives under the Explosives Act has created confusion for Code users.
RATIONALE FOR CHANGE	Elimination of the listing of various explosives in existing Article 5.2.1.1. in favour of the definition in the Explosives Act will reduce confusion. The proposed change will also more closely harmonize with the NFC.
IMPACT	Improved clarity. The proposed change will also have the effect of requiring all persons using, storing or handling explosives as defined under the Explosives Act (Canada), including vendors of fireworks, to establish fire emergency procedures as described in Article 5.2.1.2.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.2.1.2.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Editorial clarification of responsibilities.
EXISTING OFC PROVISIONS	5.2.1.2. (1) Any person using, storing or handling explosives shall establish fire emergency procedures in conformance with Section 2.8 and that shall specify (a) the location and identification of storage and use areas, (b) methods to control a fire emergency safely and efficiently, and (c) the names, addresses and telephone numbers of persons to be contacted in case of fire during nonoperating hours.
PROPOSED OFC CHANGE	5.2.1.2. (1) Fire emergency procedures in conformance with Section 2.8 shall be established and shall specify (a) the location and identification of storage and handling areas, (b) methods to control a fire emergency safely and efficiently, and (c) the names, addresses and telephone numbers of persons to be contacted in case of fire during nonoperating hours.
PROBLEM	The reference to “person using, storing or handling explosives” as being responsible for establishing fire emergency procedures, is not consistent with “owner” responsibility as specified in Article 1.2.1.1. of Division B.
RATIONALE FOR CHANGE	The owner as specified in Article 1.2.1.1. of Division B is responsible for carrying out the provisions of the Fire Code.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.6.1.1.(4)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Sentence 5.6.1.1.(4) is modified by clarifying exemptions for compressed gases.
EXISTING OFC PROVISIONS	5.6.1.1. … (4) Articles 5.6.2.1. to 5.6.2.4. do not apply where the amount of **compressed gas** stored does not exceed (a) 25 kg of flammable **compressed gas**, or (b) 150 kg of non-flammable **compressed gas**. …
PROPOSED OFC CHANGE	5.6.1.1. … (4) Articles 5.6.2.1. to 5.6.2.4. do not apply to **compressed gas** stored outdoors or in a **fire compartment** where the amount in each location does not exceed (a) 25 kg of flammable **compressed gas**, or (b) 150 kg of non-flammable **compressed gas**. …
PROBLEM	The exemptions for compressed gases are not clearly specified.
RATIONALE FOR CHANGE	Improved clarity. Consistent with treatment of Dangerous Goods in NFC.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.6.1.1.(6)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence 5.6.1.1.(6) to allow for NFPA 55 as a compliance option to the indoor and outdoor storage provisions of Section 5.6.
EXISTING OFC PROVISIONS	None.
PROPOSED OFC CHANGE	***Alternative protection measures*** 5.6.1.1. (1) … (6) **Compressed gas** stored in compliance with NFPA 55, "Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks" is deemed to be in compliance with Subsection 5.6.2.
PROBLEM	The Fire Code does not currently recognize NFPA 55 as an acceptable compliance alternative to the storage provisions of Section 5.6.
RATIONALE FOR CHANGE	NFPA 55 is a recognized consensus standard for the safe installation, storage, use and handling of compressed gases. The proposed change will reflect current industry practice.
IMPACT	Improved flexibility and compliance.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.6.1.1.(6) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.10.1.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Relocate requirements in Sentence 5.10.1.1.(2) to revised Article 5.10.1.3. to distinguish between an application statement and technical provisions.	
EXISTING OFC PROVISIONS	***Mechanical exhaust systems*** 5.10.1.1. (1) This Section shall apply to **buildings**, parts of **buildings**, or equipment where **combustible dusts** are produced in quantities or concentrations that create an explosion or fire hazard. (2) Machinery that produces, agitates or conveys **combustible dusts** shall have or be connected to a mechanical exhaust system to the outside atmosphere and dust-tight casings or enclosures.	
PROPOSED OFC CHANGE	***Application*** 5.10.1.1. This Section shall apply to **buildings**, parts of **buildings**, or equipment where **combustible dusts** are produced in quantities or concentrations that create an explosion or fire hazard.	
PROBLEM	Sentence (1) is an application statement. Sentence (2) is a technical provision. The two should be in separate articles.	
RATIONALE FOR CHANGE	See above.	
IMPACT	Improved clarity.	
IMPACT ON OTHER CODE PROVISIONS	See corresponding change to Article 5.10.1.3.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No change except existing attributions will be linked to relocated provision.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.10.1.2.(2) and (3)**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.3.1.2.(2)(3)**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (2) editorially for clarification purposes. Revise Clause (3)(b) by adding the words "machinery and" in the second portion of the provision to ensure that machinery is also correspondingly regulated.	
EXISTING OFC PROVISIONS	5.10.1.2. (1) **Building** and machinery surfaces shall be kept clean of accumulations of **combustible dusts** using cleaning equipment that (a) is made of materials that will not create electrostatic charges or sparks, (b) is electrically conductive and bonded to ground, and (c) except as permitted in Sentence (3), removes the dust to a safe location by vacuum. (2) When used in atmospheres containing **combustible dusts**, the cleaning equipment required in Sentence (1) shall be **listed** and labelled for use in atmospheres containing **combustible dusts**. (3) Where it is not possible to effectively remove dust by vacuum, it is permitted to use compressed air or other means which cause dust to be suspended in air during removal if, in the dust removal area, (a) all sources of ignition are eliminated, and (b) all machinery and equipment is de-energized, unless such equipment is **listed** and labelled for use in atmospheres containing **combustible dusts**.	
PROPOSED OFC CHANGE	5.10.1.2. (1) … (2) Cleaning equipment required in Sentence (1) used in an atmosphere containing **combustible dusts** shall be **listed** and labelled for use in atmospheres containing **combustible dusts**. (3) Where it is not possible to effectively remove the dust by vacuum, it is permitted to use compressed air or other means which cause dust to be suspended in air during removal if, in the dust removal area, (a) all sources of ignition are eliminated, and (b) all machinery and equipment is de-energized, unless such machinery or equipment is **listed** and labelled for use in	

	atmospheres containing **combustible dusts**.
PROBLEM	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. This is an editorial change that provides clarity.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.10.1.3.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Re-structure Article 5.10.1.3. to incorporate relocated provisions from 5.10.1.1.(2). Include exception for Sentence 5.10.1.5.(3).
EXISTING OFC PROVISIONS	***Dust-collecting equipment*** 5.10.1.3. Dust-collecting systems shall be provided to prevent the accumulation of dust and keep suspended dusts at a safe concentration inside a **building**.
PROPOSED OFC CHANGE	***Dust containment*** 5.10.1.3.(1) To prevent the accumulation of dust, and keep suspended dust at a safe concentration inside a **building**, machinery that produces, agitates or conveys **combustible dusts** shall (a) have dust-tight casings or enclosures, and (b) be connected to a dust-collecting system that exhausts to the outside, except as provided in Sentence 5.10.1.5.(3).
PROBLEM	Refer to proposed change for Article 5.10.1.1. There is also a potential conflict between 5.10.1.3. and 5.10.1.1.(2).
RATIONALE FOR CHANGE	See above.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	See corresponding change to Article 5.10.1.1.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No change except existing attributions will be linked to relocated provision.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number:** 5.11.1.2.(4) and (5)
Corresponding NFC Change	**Division: B**	**Reference Number:** 3.2.6.3.(4)
DESCRIPTION OF PROPOSED CHANGE	Sentence (4) is revised to require the sprinkler system to comply with NFPA 13. Sentence (5) is revised to limit the maximum size of individual storage areas for combustible fibre storage to that of the sprinkler design area, but also not to exceed 250 m².	
EXISTING OFC PROVISIONS	5.11.1.2. … (4) Quantities of loose **combustible fibres** that exceed 30 m^3 shall be stored in an individual room that is (a) **sprinklered**, and (b) separated from the remainder of the **building** by a **fire separation** having a **fire-resistance rating** of not less than 2 h. (5) The **individual storage areas** for **combustible fibres** described in Sentence (4) shall not exceed 250 m^2.	
PROPOSED OFC CHANGE	5.11.1.2. … (4) Quantities of loose **combustible fibres** that exceed 30 m^3 shall be stored in an individual room that is (a) **sprinklered** in conformance with NFPA 13, "Installation of Sprinkler Systems," and (b) separated from the remainder of the **building** by a **fire separation** having a **fire-resistance rating** of not less than 2 h. (5) The **individual storage areas** for **combustible fibres** described in Sentence (4) shall not exceed (a) 250 m^2, and (b) the design area of the sprinkler system. (6) The requirements of Sentences (4) and (5) do not apply to storage arrangements that meet on, *<date regulation comes into force>*, the requirements of **Ontario Regulation 213/07 (Fire Code)**, as it read on that day.	
PROBLEM	The size of an individual storage area (ISA) for fibres should be limited to contain a fire to a manageable size that does not overtax the protection system. Therefore the ISA should never exceed the design area for the sprinkler system.	

RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposed change links the size of the individual storage area (ISA) of the commodity to the design area of sprinklers to ensure adequate sprinkler protection, but still retains the existing maximum 250 m^2 ISA area currently provided in the Code. A design and installation standard for the sprinkler system is also specified.
IMPACT	Improved fire protection. An exception is provided for existing storage arrangements that meet the requirements of the current Code.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.11.1.2. (4) No Change 5.11.1.2. (5) No Change 5.11.1.2. (6) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.1.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	New Sentence 5.12.1.1.(1) provides an application statement for this Section. Previous Article 5.12.1.1. is renumbered as 5.12.1.2. and revised to use the terminology "spray coating processes". New Sentence (2) provides an alternative option to compliance with Section 5.12.
EXISTING OFC PROVISIONS	**SECTION 5.12 SPRAY APPLICATIONS USING FLAMMABLE AND COMBUSTIBLE MATERIALS** **Subsection 5.12.1. Location** ***Separation for spray operations*** 5.12.1.1. Spray operations shall be separated from the remainder of the **building** in conformance with the **Building Code**, where applicable.
PROPOSED OFC CHANGE	**SECTION 5.12 SPRAY APPLICATIONS USING FLAMMABLE AND COMBUSTIBLE MATERIALS** **Subsection 5.12.1. Application and Exemptions** 5.12.1.1.(1) This Section applies to spray coating processes involving the use of **flammable liquids** or **combustible liquids.** (2) Compliance with the design, operation and maintenance requirements in NFPA 33, "Standard for Spray Application Using Flammable or Combustible Materials", for spray coating processes is deemed to satisfy the requirements in this Section. (3) Despite Sentence (2), spray coating processes shall comply with Article 5.12.1.2. ***Separation for spray coating processes*** 5.12.1.2. Spray coating processes shall be separated from the remainder of the **building** in conformance with the **Building Code**, as applicable.
PROBLEM	The Section does not have an application statement. NFPA 33 is a recognized industry standard for spray coating processes and should be a permitted compliance option, consistent with the NFC.

RATIONALE FOR CHANGE	The proposed change provides clarity on what the section applies to and is consistent with the NFC with respect to the reference to NFPA 33.
IMPACT	Improved clarity and flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.12.1.1. Note[1] 5.12.1.2. [F03-OS1.2,OP1.2]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Articles 5.12.2.1. and 5.12.2.4., and Sentence 5.12.2.3.(1) to extend the requirements to "spray rooms".
EXISTING OFC PROVISIONS	5.12.2.1. (1) A **spray booth** shall consist of a steel frame covered with sheet steel having a minimum thickness of 1.14 mm, or be of equivalent **noncombustible construction**. (2) The interior surfaces of a **spray booth** shall be smooth and continuous. (3) The floor of a **spray booth** and the operator's working area shall be of noncombustible materials. 5.12.2.2. … 5.12.2.3. (1) A **spray booth** shall be provided with overspray collection, such as filters or water wash, to prevent build-up of combustible deposits on the exhaust fan and ductwork. (2) … 5.12.2.4. Fan blades and casings in exhaust blowers for **spray booths** shall be non-ferrous, or the fan shall be constructed so that a movement of the wheel or shaft will not permit two ferrous parts of the fan to rub or strike together.
PROPOSED OFC CHANGE	5.12.2.1. (1) A **spray room** or **spray booth** shall have walls and ceilings consisting of a steel frame covered with sheet steel having a minimum thickness of 1.14 mm, or be of equivalent **noncombustible construction**. (2) Walls and ceilings of a **spray room** that are susceptible to paint residue accumulation and interior surfaces of a **spray booth** shall be smooth and continuous. (3) The floor of a **spray room** or a **spray booth**, and the operators working area shall be of noncombustible materials. 5.12.2.2. ... 5.12.2.3. (1) A **spray room** or a **spray booth** shall be provided with overspray collection, such as filters or water wash, to prevent build-up of combustible deposits on the exhaust fan and ductwork.

	(2) …. 5.12.2.4. Fan blades and casings in exhaust blowers for **spray rooms** or **spray booths** shall be non-ferrous, or the fan shall be constructed so that a movement of the wheel or shaft will not permit two ferrous parts of the fan to rub or strike together.
PROBLEM	Subsection 5.12.2. construction requirements appear to apply to spray booths only, but, in fact, also apply to spray rooms. Spray booths and spray rooms are separately defined terms, and as such, both should be referenced to avoid ambiguity.
RATIONALE FOR CHANGE	The proposed change would harmonize more closely to the NFC given that it references NFPA 33 for the design, operation and maintenance requirements related to spray coating processes and the associated construction requirements for spray booths and spray rooms are similar to those of the OFC.
IMPACT	Minimal impact.
IMPACT ON OTHER CODE PROVISIONS	Similar changes are proposed for other applicable provisions in Section 5.12.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.3.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise the Article to clarify that the minimum air velocity requirement applies to all spray booth openings.
EXISTING OFC PROVISIONS	5.12.3.2. Except as provided in Article 5.12.3.3., the exhaust air velocity at the face of the **spray booth** shall be at least 30 m/min.
PROPOSED OFC CHANGE	5.12.3.2. Except as provided in Article 5.12.3.3., the exhaust air velocity at an opening of a **spray booth** shall be at least 30 m/min.
PROBLEM	The required air velocity applies to all spray booth openings to the surrounding floor area (i.e. conveyor openings), if those openings are normally open during spraying operations.
RATIONALE FOR CHANGE	This change will clarify the intent of the Code.
IMPACT	Minimum.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.3.3.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise the Article to clarify that the minimum air velocity requirement applies to all spray booth openings.
EXISTING OFC PROVISIONS	5.12.3.3. Electrostatic spraying shall have an exhaust air velocity of at least 18 m/min at the face of the **spray booth**.
PROPOSED OFC CHANGE	5.12.3.3. Electrostatic spraying shall have an exhaust air velocity of at least 18 m/min at an opening of the **spray booth**.
PROBLEM	The required air velocity applies to all spray booth openings to the surrounding floor area (i.e. conveyor openings), if those openings are normally open during spraying operations.
RATIONALE FOR CHANGE	This change will clarify the intent of the Code.
IMPACT	Minimal
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Articles 5.12.4.1. to 5.12.4.5. (excluding 5.12.4.3.) to extend the requirements to "spray rooms".
EXISTING OFC PROVISIONS	Subsection 5.12.4. Exhaust Ducts 5.12.4.1. Exhaust ducts for **spray booths** shall be securely supported and constructed of sheet steel in conformance with Table 5.12.4.A. TABLE 5.12.4.A. ….. 5.12.4.2. Except as provided in Article 5.12.4.3., a clearance of 457 mm shall be maintained between ducts venting **spray booths** and unprotected combustible material. 5.12.4.3. … 5.12.4.4. Exhaust ducts for **spray booths** shall be provided with access doors for cleaning purposes. 5.12.4.5. (1) Except for water-wash types, the exhaust outlet to atmosphere from **spray booths** shall (a) …
PROPOSED OFC CHANGE	Subsection 5.12.4. Exhaust Ducts 5.12.4.1. Exhaust ducts for **spray rooms** and **spray booths** shall be securely supported and constructed of sheet steel in conformance with Table 5.12.4.A. TABLE 5.12.4.A. ….. 5.12.4.2. Except as provided in Article 5.12.4.3., a clearance of 457 mm shall be maintained between ducts venting **spray rooms** and **spray booths** and unprotected combustible material. 5.12.4.3. … 5.12.4.4. Exhaust ducts for **spray rooms** and **spray booths** shall be provided with access doors for cleaning purposes. 5.12.4.5. (1) Except for water-wash types, the exhaust outlet to

	atmosphere from **spray rooms** and **spray booths** shall (a) …
PROBLEM	Subsection 5.12.4. construction requirements appear to apply to spray booths only, but, in fact, also apply to spray rooms. Spray booths and spray rooms are separately defined terms, and as such, both should be referenced to avoid ambiguity.
RATIONALE FOR CHANGE	The proposed change would harmonize more closely to the NFC given that it references NFPA 33 for the design, operation and maintenance requirements related to spray coating processes and the associated construction requirements for spray booths and spray rooms are similar to those of the OFC.
IMPACT	Minimal impact.
IMPACT ON OTHER CODE PROVISIONS	Similar changes are proposed for other applicable provisions in Section 5.12.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.5.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Article 5.12.5.2. to extend the current requirements to "spray rooms".	
EXISTING OFC PROVISIONS	5.12.5.2. Electric motors for exhaust fans shall not be placed inside **spray booths** or ducts.	
PROPOSED OFC CHANGE	5.12.5.2. Electric motors for exhaust fans shall not be placed inside **spray rooms**, **spray booths** or ducts.	
PROBLEM	Exhaust fan electric motor restrictions in Article 5.12.5.2. appear to apply to spray booths only, but, in fact, also apply to spray rooms. Spray booths and spray rooms are separately defined terms, and as such, both should be referenced to avoid ambiguity.	
RATIONALE FOR CHANGE	The proposed change would harmonize more closely to the NFC given that it references NFPA 33 for the design, operation and maintenance requirements related to spray coating processes and the associated construction requirements for spray booths and spray rooms are similar to those of the OFC.	
IMPACT	Minimal impact.	
IMPACT ON OTHER CODE PROVISIONS	Similar changes are proposed for other applicable provisions in Section 5.12.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.7.1. - 5.12.7.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Article 5.12.7.1. and Sentence 5.12.7.2.(1) to extend the current requirements to "spray rooms".
EXISTING OFC PROVISIONS	5.12.7.1. The spraying equipment for a **spray booth** shall be interlocked to shut down in the event of failure of the ventilation system, failure of the circulating water pump of a water-wash system or failure of the filter roll-down mechanism of a dry **spray booth**. 5.12.7.2. (1) The inner surface of **spray booths** shall be cleaned of combustible residue as often as necessary to prevent a fire hazard. (2)…
PROPOSED OFC CHANGE	5.12.7.1. The spraying equipment for a **spray room** or a **spray booth** shall be interlocked to shut down in the event of failure of the ventilation system, failure of the circulating water pump of a water-wash system or failure of the filter roll-down mechanism of an overspray collection system. 5.12.7.2. (1) The inner surface of **spray rooms** and **spray booths** shall be cleaned of combustible residue as often as necessary to prevent a fire hazard. (2) …
PROBLEM	Subsection 5.12.7. appears to apply to spray booths only, but, in fact, also apply to spray rooms. Spray booths and spray rooms are separately defined terms and referencing both in the code provision avoids ambiguity.
RATIONALE FOR CHANGE	The proposed change would harmonize more closely to the NFC given that it references NFPA 33 for the design, operation and maintenance requirements related to spray coating processes and the associated construction requirements for spray booths and spray rooms are similar to those of the OFC.
IMPACT	Minimal impact.
IMPACT ON OTHER CODE PROVISIONS	Similar changes are proposed for other applicable provisions in Section 5.12.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.7.2.**
Corresponding NFC Record	**Division: B**	**Reference Number:**

DESCRIPTION OF PROPOSED CHANGE	Sentence 5.12.7.2.(3) is added to clarify that coverings may be used on the inside surfaces of spray areas to facilitate cleaning of overspray.
EXISTING OFC PROVISIONS	***Cleaning and residue disposal*** 5.12.7.2. (1) The inner surface of **spray booths** shall be cleaned of combustible residue as often as necessary to prevent a fire hazard. (2) Combustible residue from cleaning operations shall, on the same day as the cleaning operations, be removed from the premises or placed in receptacles conforming to Sentence 2.4.1.3.(3).
PROPOSED OFC CHANGE	***Cleaning and residue disposal*** 5.12.7.2. (1) The inner surface of **spray booths** shall be cleaned of combustible residue as often as necessary to prevent a fire hazard. (2) Combustible residue from cleaning operations shall, on the same day as the cleaning operations, be removed from the premises or placed in receptacles conforming to Sentence 2.4.1.3.(3). (3) Strippable coatings or removable combustible coverings, such as thin paper and static dissipative plastic sheets, are permitted to be used on walls and floors to facilitate cleaning operations in spray coating areas.
PROBLEM	The Fire Code does not specify whether removable combustible wall and floor coverings are permitted in spray areas for the collection of combustible overspray and to facilitate clean-up.
RATIONALE FOR CHANGE	The NFC references NFPA 33 for design, operation and maintenance of spray coating processes, and this standard permits the use of combustible coverings in spray booths. This proposed change will promote harmonization with the NFC and will clarify that the use of these coverings is permitted by the Fire Code.
IMPACT	Minimal.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.12.7.2.(3) – Note [1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.7.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Delete Article 5.12.7.4..
EXISTING OFC PROVISIONS	5.12.7.4. A water-wash **spray booth** shall be used when applying spray material that is susceptible to spontaneous heating.
PROPOSED OFC CHANGE	5.12.7.4. RESERVED
PROBLEM	5.12.7.4. is redundant as 5.12.2.3.(7) has same requirement.
RATIONALE FOR CHANGE	Change made to remove redundancy in the Code.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.12.7.4. RESERVED

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.8.3.(1) and (3)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence (1) to extend requirements to "spray rooms". Add Sentence (3) to waive the requirements in Sentence (1) to sprinkler heads in spray rooms that are remote from the spray stream.
EXISTING OFC PROVISIONS	5.12.8.3. (1) Sprinkler heads in **spray booths** shall be protected with lightweight paper or thin polyethylene bags. (2) …
PROPOSED OFC CHANGE	5.12.8.3. (1) Sprinkler heads in **spray rooms** and **spray booths** shall be protected with lightweight paper or thin polyethylene bags. (2) … (3) Sprinkler heads in **spray room**s need not be protected in accordance with Sentence (1) if in a location not subject to paint overspray.
PROBLEM	This Sentence needs to apply to spray rooms and not just to spray booths, being that they are both separately defined terms but both have the same hazardous operation.
RATIONALE FOR CHANGE	The proposed change would harmonize more closely to the NFC given that it references NFPA 33 for the design, operation and maintenance requirements related to spray coating processes and the associated construction requirements for spray booths and spray rooms are similar to those of the OFC. It is also consistent with industry practice.
IMPACT	Minimal impact.
IMPACT ON OTHER CODE PROVISIONS	Similar changes are proposed for other applicable provisions in Section 5.12.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	(1) No Change (2) No Change (3) Note [1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.10. (relocation)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	The requirements for electrostatic spraying equipment contained in Subsection 5.14.4. are relocated to Section 5.12. under new Subsection 5.12.10. An application statement is added. The requirement under 5.14.4.17. is not transferred since Subsection 5.12.8. addresses the subject matter.
EXISTING OFC PROVISIONS	Subsection 5.14.4. Electrostatic Spraying and Detearing Equipment See existing OFC.
PROPOSED OFC CHANGE	Subsection 5.12.10. Electrostatic Spraying ***Application equipment location*** 5.12.10.1. (1) This Subsection applies to electrostatic spray coating processes involving the use of **flammable liquids** or **combustible liquids**. (2) Electrical components, including transformers, power packs and control equipment for electrostatic spray applications shall be located in an area where the vapour concentration of **flammable liquids** or **combustible liquids** cannot exceed 25% of the **lower explosive limit**. (3) Sentence (2) does not apply to high voltage grids and their connections. ***Interlocks*** 5.12.10.2. (1) Electrostatic spraying equipment shall be provided with automatic controls that will operate without a time delay to disconnect power to high voltage transformers and to signal the operator when (a) stoppage of the air supply, ventilating fan or conveyor system occurs, (b) there is a ground at any point on the high voltage system, or (c) clearances are reduced below those specified in Article 5.14.4.4. ***Insulators*** 5.12.10.3. Insulators shall be kept clean and dry. ***Clearances*** 5.12.10.4. (1) A space equivalent to twice the sparking distance shall be maintained between articles being painted and electrodes or conductors.

	(2) A sign shall be conspicuously posted near an electrical assembly stating the maximum sparking distance. ***Drip plates and screens*** 5.12.10.5. Drip plates and screens subject to paint deposits shall be removable for cleaning. ***Insulating and grounding*** 5.12.10.6. High voltage components, including atomizing heads, shall be insulated and protected against mechanical damage and accidental contact or grounding. ***Automatic grounding*** 5.12.10.7. An automatic means shall be provided for grounding the electrode system when it is de-energized. ***Operating distances*** 5.12.10.8. Items being electrostatically sprayed shall not be held by hand nor suspended in such a manner as to reduce the proper operating distance from the atomizing heads. ***Distance to processing areas*** 5.12.10.9. Electrostatic spraying equipment shall be located 1.5 m from processing equipment and isolated from other areas by grounded guards and fences of conducting material. ***Surface temperatures*** 5.12.10.10. The surface temperature of equipment in a **spraying area** shall not exceed 66°C. ***Precautions against shock*** 5.12.10.11. High voltage circuits shall be designed so that any discharge occurring will not ignite vapour-air mixtures or create a shock hazard. ***Spray gun energy supply*** 5.12.10.12. The energy supply to hand spray guns shall be controlled by a switch that also controls the coating material supply. ***Spray gun operation*** 5.12.10.13. Spray gun handles shall be grounded and have a metallic connection that is in direct contact with the operator's hand during spraying. ***Grounding*** 5.12.10.14. All electrically conductive objects in the **spraying area** shall be grounded, and a sign shall be posted indicating the need for such grounding.

	Paint accumulations 5. 12.10.15. Hooks and other supports for sprayed items shall be kept clean and free of paint. ***Warning signs*** 5. 12.10.16. Signs designating the **spraying area** as dangerous shall be conspicuously posted.
PROBLEM	It is not clear that spray coating operations governed by Subsection 5.14.4. are also required to comply with Section 5.12.
RATIONALE FOR CHANGE	The proposed change clarifies the application of the Code to electrostatic spray coating operations involving flammable and combustible liquids.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	The proposed change is linked to a change proposed to Subsection 5.14.4. that modifies the content to apply to electrostatic detearing operations only – see proposed change to Article 5.14.4.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change. The associated attributions will be relocated within the Fire Code Supplement, FCS-1.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.12.11.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	New Subsection 5.12.11. added for spray coating operations using combustible dry powder being relocated from Section 5.14.6. The references to fluidized beds in Subsection 5.14.6. are not being relocated.
EXISTING OFC PROVISIONS	Subsection 5.14.6. Dry Powder Finishing See existing OFC.
PROPOSED OFC CHANGE	Subsection 5.12.11. Dry Powder Spray Coating ***Application and location*** 5.12.11.1. (1) This Subsection applies to coating operations involving the use of combustible dry powders applied by powder spray guns or electrostatic powder spray guns. (2) Coating operations referred to in Sentence (1) shall be performed in (a) ventilated, enclosed, powder-coating rooms of **noncombustible construction**, or (b) **spray booths**. (3) Despite Sentence (3), electrical installations shall conform to the **Electrical Safety Code** made under the **Electricity Act, 1998**. ***Location of electrical equipment*** 5.12.11.2. With the exception of charging electrodes and their connections, transformers, power packs, control apparatus and all other electrical components shall be located outside the powder-coating area. ***Working temperatures*** 5.12.11.3. Where a part to be coated is preheated prior to the application of the powder, the temperature of the part shall not exceed the ignition temperature of the powder being used. ***Grounding*** 5.12.11.4. (1) Powder transport, application and recovery equipment shall be grounded. (2) A sign shall be posted indicating the necessity of grounding

	equipment and objects identified in Sentences (1). ***Separators*** 5.12.11.5. Separators shall be used to prevent tramp iron or other spark-producing materials from being introduced into the powders being applied. ***Recovery systems*** 5.12.11.6. All waste air-suspended powders shall be removed by exhaust ducts to a powder recovery system and shall not be released to the outside atmosphere. ***Vacuum cleaning*** 5.12.11.7. Accumulations of waste dust from dry powder finishes shall be removed by vacuum cleaning equipment. ***Contact points*** 5.12.11.8. Objects being coated shall be maintained in contact with the conveyor or other support. ***Hangers*** 5.12.11.9. Hangers for objects being coated shall be kept clean and have sharp points or edges at areas of contact. ***Smoking prohibited*** 5.12.11.10. (1) Smoking shall not be permitted at powder-coating areas and in powder storage rooms. (2) Signs prohibiting smoking that conform to Article 2.4.3.2. shall be conspicuously posted at all powder-coating areas and powder storage rooms.
PROBLEM	It is not clear that spray coating operations using combustible dry powders governed by Subsection 5.14.6. are also required to comply with Section 5.12. There is a need to clarify the link between the two.
RATIONALE FOR CHANGE	The proposed change clarifies the application of the code to spray coating operations that involve dry powders. References to fluidized beds are retained in Subsection 5.14.6. since they are not used in spray coating operations.
IMPACT	Improved clarity and enforcement.

IMPACT ON OTHER CODE PROVISIONS	The proposed change is linked to a change proposed to Subsection 5.14.6. that modifies the content to apply to coating operations involving fluidized beds – see proposed change for Article 5.14.6. Note that other proposed code change records for Subsection 5.14.6. may not be reflected in this general transfer of requirements from 5.14.6. to Subsection 5.12.11.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change. The associated attributions will be relocated within the Fire Code Supplement, FCS-1.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.13.4.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Article 5.13.4.4. for design of vent pipes on salvage tanks .
EXISTING OFC PROVISIONS	None.
PROPOSED OFC CHANGE	5.13.4.4. Salvage tanks shall be provided with vent pipes in compliance with Subsection 4.3.5. for aboveground **storage tanks** or Subsection 4.3.10. for underground **storage tanks**, as applicable.
PROBLEM	Article 5.13.3.8. requires bottom drains from a dip tank to discharge to a "closed, vented salvage tank". However, the requirements for salvage tanks in Subsection 5.13.4. do not include design requirements for vent piping on salvage tanks. Subsections 4.3.5. and 4.3.10. have appropriate venting requirement for above ground and underground storage tanks that can be referenced.
RATIONALE FOR CHANGE	As the NFC, by reference to NFPA 34, also requires appropriately designed vent piping on salvage tanks, introducing this change will more closely harmonize OFC requirements with NFC requirements. This is also consistent with industry practice.
IMPACT	Minimal impact.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	[F01, F20, F22, F43, F81-OS1.1, OP1.1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.14.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Article 5.14.2.1. to 5.14.2.4. are deleted. New Sentences 5.14.2.1.(1) clarifies that Section 5.14 only applies where flammable and combustible liquids are used in the process. New Sentences (2) and (3), and Article 5.14.2.2. restate existing requirements.
EXISTING OFC PROVISIONS	***Application of dip tank requirements*** 5.14.2.1. (1) The requirements in Section 5.13 for dip tanks shall also apply to flow-coating operations. (2) The sump area and any area on which coating liquid flows shall be considered as the dip tank area and shall conform to the applicable provisions in Section 5.13. ***Mechanical ventilation*** 5.14.2.2. Mechanical ventilation shall be provided at the rate of 63 m^3 of fresh air per litre of solvent used. ***Vapour concentration*** 5.14.2.3. Ventilation shall be arranged so that the flammable vapour concentration exceeding 25% of the **lower explosive limit** will be confined to within 600 mm of the paint stream and drain area, freshly coated work and the drip tunnel bottom. ***Interlocks*** 5.14.2.4. The ventilation system required in Articles 5.14.2.2. and 5.14.2.3. shall be interlocked to shut off the coating liquid supply whenever ventilation fans are shut down. ***Supply*** 5.14.2.5. (1) **Flammable liquids** or **combustible liquids** shall be supplied by (a) direct low pressure pumping arranged to shut down automatically by means of **listed** and labelled devices in the event of fire, or (b) a gravity tank not exceeding 45 L in capacity.

PROPOSED OFC CHANGE	***Application of dip tank requirements*** 5.14.2.1. (1) This Section applies to flow-coating operations using **flammable liquids** or **combustible liquids**. (2) The requirements in Section 5.13 for dip tanks shall also apply to this Section. (3) The sump area and any area on which coating liquid flows shall be considered as the dip tank area. ***Supply*** 5.14.2.2. (1) **Flammable liquids** or **combustible liquids** shall be supplied by (a) direct low pressure pumping arranged to shut down automatically by means of **listed** and labelled devices in the event of fire, or (b) a gravity tank not exceeding 45 L in capacity.
PROBLEM	Sentence 5.14.2.1.(1) should clarify that the requirements only apply where the flow-coating operation uses flammable or combustible liquids. Articles 5.14.2.2. to 5.14.2.4., are redundant because the referenced requirements in Section 5.13 already adequately cover these requirements (see Article 5.13.5.1.).
RATIONALE FOR CHANGE	Clarifies the intent of the provision.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.14.2.1.(1) – Note[1] (2) – Note[1] (3) – Note[1] 5.14.2.2.(1) – [F01-OS1.1,OP1.1] [F02-OS1.2,OP1.2]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.14.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Subsection 5.14.4. is modified to apply to electrostatic detearing operations only.
EXISTING OFC PROVISIONS	Subsection 5.14.4. Electrostatic Spraying and Detearing Equipment See existing OFC.
PROPOSED OFC CHANGE	**Subsection 5.14.4. Electrostatic Detearing Equipment** ***Equipment location*** 5.14.4.1. (1) Electrical components, including transformers, power packs and control equipment for the electrostatic removal of excess coating material (detearing), shall be located in an area where the vapour concentration of **flammable liquids** or **combustible liquids** cannot exceed 25% of the **lower explosive limit**. (2) Sentence (1) does not apply to high voltage grids and their connections. ***Interlocks*** 5.14.4.2. (1) Electrostatic detearing equipment shall be provided with automatic controls that will operate without a time delay to disconnect power to high voltage transformers and to signal the operator when (a) stoppage of the air supply, ventilating fan or conveyor system occurs, (b) there is a ground at any point on the high voltage system, or (c) clearances are reduced below those specified in Article 5.14.4.4. ***Insulators*** 5.14.4.3. Insulators shall be kept clean and dry. ***Clearances*** 5.14.4.4. (1) A space equivalent to twice the sparking distance shall be maintained between articles being painted or deteared and electrodes or conductors. (2) A sign shall be conspicuously posted near an electrical assembly

	stating the maximum sparking distance. ***Drip plates and screens*** 5.14.4.5. Drip plates and screens subject to paint deposits shall be removable for cleaning. ***Insulating and grounding*** 5.14.4.6. High voltage components shall be insulated and protected against mechanical damage and accidental contact or grounding. ***Automatic grounding*** 5.14.4.7. An automatic means shall be provided for grounding the electrode system when it is de-energized. ***Precautions against shock*** 5.14.4.8. High voltage circuits shall be designed so that any discharge occurring will not ignite vapour-air mixtures or create a shock hazard.
PROBLEM	It is not clear that spray coating operations governed by Subsection 5.14.4. are also required to comply with Section 5.12. Electrostatic spray operations should be moved into Section 5.12, while electrostatic detearing operations should be retained in Subsection 5.14.4.
RATIONALE FOR CHANGE	The proposed change within 5.14.4., in conjunction with a proposed change under 5.12.10., clarifies their respective application to different electrostatic coating operations.
IMPACT	Improved clarity and enforcement.
IMPACT ON OTHER CODE PROVISIONS	The proposed change is linked to a change proposed for Subsection 5.12.10. that transfers the requirements for electrostatic spraying operations to Section 5.12.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change except that the attributions associated with the relocated provisions will be correspondingly relocated within the Fire Code Supplement, FCS-1.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.14.4.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	New Sentence 5.14.4.1.(1) provides an application statement for Subsection 5.14.4. New Sentence (2) provides an alternative means of complying with Subsection 5.14.4 through a reference to NFPA 33. Existing requirements in Article 5.14.4.1. are renumbered.
EXISTING OFC PROVISIONS	***Equipment location*** 5.14.4.1. (1) Electrical components, including transformers, power packs and control equipment for electrostatic spray applications or for the electrostatic removal of excess coating material (detearing), shall be located in an area where the vapour concentration of **flammable liquids** or **combustible liquids** cannot exceed 25% of the **lower explosive limit**. (2) Sentence (1) does not apply to high voltage grids and their connections.
PROPOSED OFC CHANGE	***Application and equipment location*** 5.14.4.1. (1) This Subsection applies to electrostatic spray coating and detearing processes involving the use of **flammable liquids** or **combustible liquids**. (2) Compliance with the design, operation and maintenance requirements in NFPA 33, "Standard for Spray Application Using Flammable or Combustible Materials" for protective finishing systems, is deemed to satisfy the requirements in this Section. (3) Electrical components, including transformers, power packs and control equipment for electrostatic spray applications or for the electrostatic removal of excess coating material (detearing), shall be located in an area where the vapour concentration of **flammable liquids** or **combustible liquids** cannot exceed 25% of the **lower explosive limit**. (4) Sentence (3) does not apply to high voltage grids and their connections.
PROBLEM	The Section does not have an application statement. NFPA 33 is a recognized standard that provides adequate fire protection requirements for electrostatic coating operations and should be deemed an alternative to the requirements in Subsection 5.14.4.

RATIONALE FOR CHANGE	The proposed change provides clarity on what this subsection applies to and is consistent with the NFC with respect to the reference to NFPA 33.
IMPACT	Improved clarity and flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.14.4.1.(1) Note[1] (2) Note[1] (3) [F01-OS1.1,OP1.1] (4) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.14.6.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Modify Subsection provisions to limit application to dry powder coating operations using fluidized beds. Relocate requirements for dry powder spraying operations to Section 5.12.
EXISTING OFC PROVISIONS	Subsection 5.14.6. Dry Powder Finishing See existing OFC.
PROPOSED OFC CHANGE	Subsection 5.14.6. Dry Powder Coating Operations using Fluidized Beds ***Application and location*** 5.14.6.1. (1) This Subsection applies to coating operations involving the use of combustible dry powders applied by fluidized beds or electrostatic fluidized beds. (2) Coating operations referred to in Sentence (1) shall be performed in ventilated, enclosed, powder-coating rooms or enclosures of **noncombustible construction**. (3) Compliance with the design, operation and maintenance requirements in NFPA 33, "Standard for Spray Application Using Flammable or Combustible Materials" for protective finishing systems, is deemed to satisfy the requirements in this Section. (4) Despite Sentence (3), electrical installations shall conform to the **Electrical Safety Code** made under the **Electricity Act, 1998**. ***Location of electrical equipment*** 5.14.6.2. With the exception of charging electrodes and their connections, transformers, power packs, control apparatus and all other electrical components shall be located outside the powder-coating area. ***Working temperatures*** 5.14.6.3. (1) Where a part to be coated is preheated prior to the application of the powder, the temperature of the part shall not exceed the ignition temperature of the powder being used. (2) The surface temperature of electrostatic fluidized bed coating areas shall not exceed 66°C.

	Grounding 5.14.6.4. (1) Powder transport, application and recovery equipment shall be grounded. (2) Electrically conductive objects within the charging influence of the electrodes of electrostatic fluidized beds shall be grounded. (3) A sign shall be posted indicating the necessity of grounding equipment and objects identified in Sentences (1) and (2). ***Electrical discharges*** 5.14.6.5. High voltage circuits in electrostatic fluidized beds shall be designed so that any discharge produced when the charging electrodes of the bed are approached or contacted by a grounded object will not be of sufficient intensity to ignite any powder-air mixture likely to be encountered or result in any appreciable shock hazard. ***Separators*** 5.14.6.6. Separators shall be used to prevent tramp iron or other spark-producing materials from being introduced into the powders being applied. ***Recovery systems*** 5.14.6.7. All waste air-suspended powders shall be removed by exhaust ducts to a powder recovery system and shall not be released to the outside atmosphere. ***Vacuum cleaning*** 5.14.6.8. Accumulations of waste dust from dry powder finishes shall be removed by vacuum cleaning equipment. ***Contact points*** 5.14.6.9. Objects being coated shall be maintained in contact with the conveyor or other support. ***Hangers*** 5.14.6.10. Hangers for objects being coated shall be kept clean and have sharp points or edges at areas of contact. ***Smoking prohibited*** 5.14.6.11. (1) Smoking shall not be permitted at powder-coating areas and in powder storage rooms. (2) Signs prohibiting smoking that conform to Article 2.4.3.2. shall be conspicuously posted at all powder-coating areas and powder storage rooms.

PROBLEM	Requirements for combustible dry powder spraying operations should be separated from requirements for combustible dry powder coating operations using fluidized beds as the two processes are distinct and necessitate different sets of requirements.
RATIONALE FOR CHANGE	Retaining fluidized bed requirements in Subsection 5.14.6. while relocating combustible dry powder spraying operations to Section 5.12. clarifies the intent and application of code requirements.
IMPACT	Improved clarity and enforcement.
IMPACT ON OTHER CODE PROVISIONS	This proposed change is linked to a change proposed to Subsection 5.12.11 that modifies its content to include combustible dry powder spray coating operations.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change. The attributions associated with the relocated provisions will be relocated within the Fire Code Supplement, FCS-1.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.14.6.6.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Amend Article 5.14.6.6. to delete the specific reference to "separators" and instead specify that a means shall be provided to prevent spark producing materials from entering the coating powders.
EXISTING OFC PROVISIONS	***Separators*** 5.14.6.6. Separators shall be used to prevent tramp iron or other spark-producing materials from being introduced into the powders being applied.
PROPOSED OFC CHANGE	***Spark-producing materials*** 5.14.6.6. Means shall be provided to prevent tramp iron or other spark-producing materials from being introduced into the powders being applied.
PROBLEM	It is not always practical to install "separators" on the powder coating system to keep tramp iron out of the powder. NFPA 33, as referenced by the NFC, uses the phrase "means shall be provided", which is less limiting than the current wording.
RATIONALE FOR CHANGE	Clarifies the intent of the provision.
IMPACT	Increases flexibility for code compliance.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.14.6.8.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Amend Article 5.14.6.8. to provide a reference to Article 5.10.1.2. for removing waste dust.
EXISTING OFC PROVISIONS	5.14.6.8. Accumulations of waste dust from dry powder finishes shall be removed by vacuum cleaning equipment.
PROPOSED OFC CHANGE	5.14.6.8. Accumulations of waste dust from dry powder finishes shall be removed using methods conforming with Article 5.10.1.2.
PROBLEM	The current requirement provides limited flexibility and criteria
RATIONALE FOR CHANGE	Consistency of dust removal requirements within the OFC.
IMPACT	Increased flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.17.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Section to include all hot works.
EXISTING OFC PROVISIONS	**SECTION 5.17 WELDING AND CUTTING** Subsection 5.17.1. General ***Protection of persons and property*** 5.17.1.1. The protection of persons and property from injury or damage by fire or other causes arising from electric and gas welding and cutting equipment or its installation, operation and maintenance shall conform to CSA-W117.2, "Code for Safety in Welding and Cutting", and to the requirements in this Section.
PROPOSED OFC CHANGE	**SECTION 5.17 HOT WORKS** Subsection 5.17.1. General ***Application*** 5.17.1.1. This Section applies to hot works involving open flames or producing heat or sparks, including but not limited to, cutting, welding, soldering, brazing, grinding, adhesive bonding, thermal spraying and thawing pipes. ***Protection of persons and property*** 5.17.1.2. The protection of persons and property from injury or damage by fire or other causes arising from hot work operations, or hot work equipment installation, operation and maintenance shall conform to CSA-W117.2, Code for Safety in Welding, Cutting and Allied Processes, and to the requirements in this Section.
PROBLEM	All hot work operations pose fire risks however, currently, only cutting and welding operations are addressed.
RATIONALE FOR CHANGE	To clarify that Fire Code requirements are intended to apply to all hot works not just welding and cutting. This change will also result in closer harmonization with similar requirements in the NFC.

IMPACT	Requirements will apply to a broader range of hot works operations. This will ensure the application of fire safety measures where hazards similar to cutting and welding operations occur.
IMPACT ON OTHER CODE PROVISIONS	All references to "cutting and welding" in Section 5.17 and other Sections of the Fire Code will be replaced with "hot works".
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.17.3.1.(2)**
Corresponding NFC Record	**Division: B**	**Reference Number: 5.2.3.1.(2)**
DESCRIPTION OF PROPOSED CHANGE	Sentence (2) is revised to change the required distance between hot works and combustible and flammable materials from 11 m to 15 m.	
EXISTING OFC PROVISIONS	***Location of operations*** 5.17.3.1. (1) … (2) When it is not practical to undertake welding and cutting operations in areas described in Sentence (1), combustible and flammable materials shall either be kept at least 11 m from the work area or otherwise protected against ignition by sheet metal, asbestos blankets or other noncombustible material. (3) ….	
PROPOSED OFC CHANGE	***Location of operations*** 5.17.3.1. (1) … (2) When it is not practical to undertake welding and cutting operations in areas described in Sentence (1), combustible and flammable materials shall either be kept at least 15 m from the work area or otherwise protected against ignition by sheet metal, asbestos blankets or other noncombustible material. (3) ….	
PROBLEM	The 11m distance required between hot works and combustible and flammable materials is inconsistent with the 15m distance referenced in CSA-W117.2 “Code for Safety in Welding and Cutting” and in the National Fire Code.	
RATIONALE FOR CHANGE	This change corresponds to a requirement in the current National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.	
IMPACT	Not significant.	
IMPACT ON OTHER CODE PROVISIONS	None.	

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.17.3.3.(3) and 5.17.3.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Relocate Sentence 5.17.3.3.(3) so that the requirement for portable extinguishers applies to all welding and cutting operations.	
EXISTING OFC PROVISIONS	5.17.3.3. … (3) At least one portable extinguisher conforming to Section 6.2 shall be provided in the cutting or welding area.	
PROPOSED OFC CHANGE	delete Sentence 5.17.3.3.(3) and add new Article: 5.17.3.4. At least one portable extinguisher conforming to Section 6.2 shall be provided in the cutting or welding area. Note: If the proposed change to Article 5.17.1.1. proceeds then all references to "cutting or welding" will be replaced with "hot works".	
PROBLEM	Sentence 5.17.3.3.(3) provides requirement for fire extinguishers at the site of welding/cutting on flammable/comb. liquids containers, vessels, piping etc. This requirement however, should apply for all hot work locations where such work is undertaken	
RATIONALE FOR CHANGE	See above. The change will also achieve increased consistency with the NFC.	
IMPACT	Minimal.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 5.19**
Corresponding NFC Proposed Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	New Section 5.19 to address fire safety during roofing operations and other hot surface applications.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	**SECTION 5.19 HOT SURFACE APPLICATIONS** 5.19.1.1. This Section applies to roof top and other hot surface applications in or on **buildings**, and that utilize open flame torches and bitumen kettles. ***Exposed combustible materials*** 5.19.1.2.(1) Except as provided in Sentence 5.19.1.3.(1), when there is a possibility of sparks, flames or heat igniting combustible materials as a result of hot surface applications (a) combustibles within 5 m of the hot surface application shall be protected against ignition, and (b) openings in roofs, parapets or other **building** structures within 5 m of hot surface applications shall be covered or closed to prevent the passage of sparks or flames to adjacent areas. (2) Where it is not possible to cover openings in Clause (1)(b), combustibles in the area exposed by the opening shall be protected against ignition. ***Hot torching operations*** 5.19.1.3.(1) An open flame torch shall only be applied to materials intended for hot surface applications, and shall not directly expose (a) combustible materials, such as wood roof decks, cant strips, insulation and flashing, (b) voids, holes and skylights in the roof or roof deck, or (c) gas lines and electrical cables. ***Firewatch*** 5.19.1.4.(1) A firewatch shall be provided whenever an open flame torch or other ignition source is used for hot surface applications in or on a **building**, and shall include	

	(a) areas where combustible materials in building construction or contents are located within 5 m of persons using an open flame torch or other ignition source, (b) other areas of the **building** exposed as a result of unprotected roof or wall openings located within 5 m of persons using an open flame torch or other ignition source, and (c) areas where combustibles on the underside of roofs or the opposite side of walls might be ignited as a result of persons using an open flame torch or other ignition source. (2) Personnel employed for firewatch duty shall be (a) trained in the use of fire extinguishing equipment, and (b) provided with a means to immediately contact the fire department and **building** occupants if a fire is discovered. (3) A firewatch shall be in effect from the beginning of a hot surface application to at least (a) 3 h after the torch operations cease, or (b) 2 h after the torch operations cease if a hand-held thermal scanner is used to assist in detecting hidden hot spots. ***Portable extinguisher*** 5.19.1.5. (1) Fully charged and operable portable extinguishers having a minimum rating of 4A:40B:C shall be (a) located within 6 m of persons using an open flame torch or other ignition source, and (b) readily available to all other workers in the area of hot surface application and firewatch personnel. (2) A fully charged and operable portable fire extinguisher having a minimum rating of 4A:40B:C shall be located no further than 7.6 m, and no closer than 1.5 m, from a bitumen kettle. ***Bitumen kettles*** 5.19.1.6.(1) Except as provided in Sentence (2), bitumen kettles shall (a) not be located on roofs or in a fire access route, (b) not be located within 3.0 m of a **building** exit or means of egress, (c) be provided with metal lids that are close-fitting and constructed of steel having a thickness of not less than No. 14 sheet metal gauge (2 mm), (d) be maintained free of excessive residue, and (e) when in operation,

	(i) be level, with most of the weight off the tires on the legs, (ii) not be heated above 260ºC, (ii) be kept clear of combustible debris or materials, and (iv) be under constant supervision by a person who is knowledgeable of operations and hazards, and trained in the use of fire extinguishers. (2) Bitumen kettles may be located on concrete roofs, if roof openings within 15 m are diked to prevent spilled asphalt run-off. 5.19.1.7.(1) After each daily use, mops that have been used for spreading bitumen shall be kept in a safe location (a) at least 3 m away from **buildings**, and (b) isolated from other combustibles.
PROBLEM	Roofing and other operations involving hot bitumen application and the use of open flame torches pose a risk of fire. In March 2011, two fire fighters lost their lives in a fire resulting from the use of a propane-fuelled torch during roof repairs.
RATIONALE FOR CHANGE	See above.
IMPACT	Improved public and fire fighter safety.
IMPACT ON OTHER CODE PROVISIONS	None. Refer to related changes to Sentences 2.8.2.1.(4) and (5).
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	5.19.1.1. Note[1] 5.19.1.2.(1) [F01-OS1.1,OP1.1] 5.19.1.2.(2) [F01-OS1.1,OP1.1] 5.19.1.3. [F01-OS1.1,OP1.1] 5.19.1.4.(1) [F12-OS1.1,OS1.2,OP1.1,OP1.2] 5.19.1.4.(2) [F12-OS1.1,OS1.2,OP1.1,OP1.2] 5.19.1.4.(3) [F12-OS1.1,OS1.2,OP1.1,OP1.2] 5.19.1.5.(1) [F12-OS1.2,OP1.2] 5.19.1.5.(2) [F12-OS1.2,OP1.2]

	5.19.1.6.(1) [F01-OS1.1,OP1.1] 5.19.1.6.(2) Note[1] 5.19.1.7.(1) [F01-OS1.1,OP1.1] [F02-OS1.2,OP1.2]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.2.4.1.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 6.2.4.1.(2) to clarify that fire extinguishers are required in common areas of multi-unit residential buildings even though exempt from within dwelling units.	
EXISTING OFC PROVISIONS	6.2.4.1. … (2) Sentence (1) does not apply to **dwelling units**, including dwelling units regulated under Section 9.8. …	
PROPOSED OFC CHANGE	6.2.4.1. … (2) Sentence (1) does not apply within **dwelling units**, including dwelling units regulated under Section 9.8.	
PROBLEM	Sentence (2) is unclear regarding the application of fire extinguisher requirements to multi-unit residential buildings.	
RATIONALE FOR CHANGE	The revision should clarify that extinguishers are not required to be provided within dwelling units; however they are required in the common areas of multi-unit residential buildings.	
IMPACT	Improved compliance and enforcement.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.2.6.A. and B (Tables)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise heading of second column in Table 6.2.6.A. Revise heading of third column in Table 6.2.6.B.	
EXISTING OFC PROVISIONS	Heading in both Tables: "Maximum Travel Distance to Extinguishers, m"	
PROPOSED OFC CHANGE	Heading in both Tables: "Maximum Distance of Travel to Extinguisher, m"	
PROBLEM	The term "travel distance" in the Table headings, although not bolded to represent a defined term, is often read as such.	
RATIONALE FOR CHANGE	Rephrasing the heading as proposed will clarify the intent.	
IMPACT	Minimal. Additional extinguishers may be required if the distance to travel was previously measured from the door to the room / suite as permitted for "travel distance".	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.2.6.3.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Add Class K fires to list of recognized fire hazard types.	
EXISTING OFC PROVISIONS	6.2.6.3. Portable extinguishers that are provided to protect a hazardous **occupancy** shall be those required in this Section for fighting **Class A fires**, **Class B fires**, **Class C fires** or **Class D fires**.	
PROPOSED OFC CHANGE	6.2.6.3. Portable extinguishers that are provided to protect a hazardous **occupancy** shall be those required in this Section for fighting **Class A fires**, **Class B fires**, **Class C fires**, **Class D fires** or **Class K fires**.	
PROBLEM	Dry chemical extinguishing agents have been found to be ineffective in controlling cooking fires using higher temperature cooking oils and require newer wet chemical extinguishing agents for effective extinguishment.	
RATIONALE FOR CHANGE	Use of Class K extinguishers will be more effective in protecting commercial cooking operations	
IMPACT	More effective fire suppression. There will be a moderate cost for owners required to purchase Class K extinguishers.	
IMPACT ON OTHER CODE PROVISIONS	A corresponding change is proposed for Article 6.2.6.12. to require Class K extinguishers for the protection of commercial cooking equipment. A change is also proposed to include “Class K” as a defined term in Article 1.4.1.2. of Div. A**.**	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.2.6.12.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: 6.2.6.12.**

DESCRIPTION OF PROPOSED CHANGE	Require Class K portable extinguishers for protection of commercial cooking equipment.
EXISTING OFC PROVISIONS	6.2.6.12. Wet chemical or alkali-based dry chemical portable extinguishers shall be provided to protect commercial cooking equipment.
PROPOSED OFC CHANGE	6.2.6.12. (1) Portable extinguishers suitable for **Class K fires** shall be provided to protect commercial cooking equipment. (2) Despite Sentence (1), existing dry chemical extinguishers without a Class K listing that were installed for the protection of Class K hazards shall be replaced with an extinguisher having a Class K listing when the dry chemical extinguishers become due for either an internal examination or hydrostatic test.
PROBLEM	Dry chemical extinguishing agents have been found to be ineffective in controlling cooking fires using higher temperature cooking oils and require newer wet chemical extinguishing agents for effective extinguishment.
RATIONALE FOR CHANGE	Use of Class K extinguishers will be more effective in protecting commercial cooking operations The proposed change also provides closer harmonization with the NFC and its reference to NFPA 10.
IMPACT	There will be a moderate cost for owners required to purchase Class K extinguishers. However, replacement of existing extinguishers is postponed to coincide with the 6-year maintenance or hydrostatic test. This will provide owners with some lead time to plan for the replacement of existing extinguishers.
IMPACT ON OTHER CODE PROVISIONS	A corresponding change is proposed for Article 6.2.6.3. A change is also proposed to include “Class K” as a defined term in Article 1.4.1.2. of Div. A**.**

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.1.2.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Clause (2)(c) to include a reference to ULC/ORD-C693, "Central Station Fire Protective Signalling Systems and Services".
EXISTING OFC PROVISIONS	6.3.1.2. … (2) Where the fire alarm system monitoring referred to in Sentence (1) is provided by a central station, the **building owner** shall obtain written documentation from the central station operator that the monitoring service complies with (a) NFPA 71, "Standard for the Installation, Maintenance, and Use of Signaling Systems for Central Station Service", or (b) CAN/ULC-S561, "Installation and Services for Fire Signal Receiving Centres and Systems". (3) …
PROPOSED OFC CHANGE	6.3.1.2. … (2) Where the fire alarm system monitoring referred to in Sentence (1) is provided by a central station, the **building owner** shall obtain written documentation from the central station operator that the monitoring service complies with (a) NFPA 71, "Standard for the Installation, Maintenance, and Use of Signaling Systems for Central Station Service", (b) CAN/ULC-S561, "Installation and Services for Fire Signal Receiving Centres and Systems", or (c) ULC/ORD-C693, "Central Station Fire Protective Signalling Systems and Services". (3) …
PROBLEM	Fire alarm monitoring services that conform to ULC/ORD-C693 were acceptable under the 1997 Building Code and should therefore continue to be acceptable under the Fire Code.

RATIONALE FOR CHANGE	Harmonizes with the standard referenced in 1997 Building Code for existing fire alarm monitoring services. Despite the acknowledgement of Level 1 and Level 2 service options under the current edition of CAN/ULC-S561, as amended, a direct reference to ULC/ORD-C693 will eliminate ambiguity.
IMPACT	May result in cost saving to some building owners that currently have fire alarm monitoring in conformance with ULC/ORD-C693.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.2.1.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence 6.3.2.1.(2) to reinforce an owner's responsibility for ensuring that interconnected smoke alarms are properly tested and serviced by a qualified person, similar to the requirement for fire alarm systems in Sentence (1).
EXISTING OFC PROVISIONS	6.3.2.1. (1) The **owner** shall ensure that any person performing the annual **tests** or annual **inspections** required by this Subsection and any person performing repair, replacement or alterations referred to in Article 6.3.1.8. is in compliance with the requirements of (a) Clause 1.2.1.2.(1)(a) of Division C, or (b) Sentence 1.2.1.2.(2) of Division C.
PROPOSED OFC CHANGE	6.3.2.1. (1) The **owner** shall ensure that any person performing the annual **tests** or annual **inspections** required by this Subsection for fire alarm systems, and any person performing repair, replacement or alterations referred to in Article 6.3.1.8. is in compliance with the requirements of (a) Clause 1.2.1.2.(1)(a) of Division C, or (b) Sentence 1.2.1.2.(2) of Division C. (2) The **owner** shall ensure that any person performing the annual **tests** or annual **inspections** required by this Subsection for interconnected **smoke alarm** systems, and any person performing repair, replacement or alterations to interconnected **smoke alarm** systems subject to Article 6.3.2.6. is in compliance with the requirements of (a) Clause 1.2.2.2.(1)(a) of Division C, or (b) Sentence 1.2.2.2.(2) of Division C.
PROBLEM	Article 6.3.2.1. does not directly specify the owner's responsibility for ensuring interconnected smoke alarms are tested and serviced by persons in compliance with Subsection 1.2.2. of Division C of the Fire Code.
RATIONALE FOR CHANGE	The proposed change will clarify that the requirement applies equally to interconnected smoke alarm systems.
IMPACT	None. The proposed change simply reinforces the owner's responsibility in this regard.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.3.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Clause 6.3.3.1.(1)(e). The application of this Subsection is amended to include smoke alarms installed in other than residential occupancies as required by the Building Code.
EXISTING OFC PROVISIONS	6.3.3.1. (1) This Subsection applies to **smoke alarms** (a) in **dwelling units**, (b) in dwelling units regulated under Section 9.8, (c) in **guest suites**, and (d) in each sleeping room not within a **dwelling unit.** (2) In Clause (1)(b), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROPOSED OFC CHANGE	6.3.3.1. (1) This Subsection applies to **smoke alarms** (a) in **dwelling units**, (b) in dwelling units regulated under Section 9.8, (c) in **guest suites**, (d) in each sleeping room not within a **dwelling unit,** and (e) in other **occupancies** where required by the **Building Code**. (2) In Clause (1)(b), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROBLEM	Article 9.9.4.7. of Div. B of the Building Code permits the installation of smoke alarms in Group D and E occupancies in lieu of satisfying other measures required for fire and life safety. The Fire Code does not contain any requirement for ensuring the maintenance of smoke alarms installed in such non-residential applications.

RATIONALE FOR CHANGE	The proposed change will ensure that smoke alarms installed in other occupancies, as required by the OBC, are maintained in operating condition for the safety of the occupants.
IMPACT	Minimal cost impact. Improved public safety.
IMPACT ON OTHER CODE PROVISIONS	Refer to a corresponding change to Sentence 6.3.3.3.(1).
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE - OFC Record	**Division: B**	**Reference Number: 6.3.3.2.(2)**
Corresponding NFC Change:	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence (2) to ensure that smoke alarm primary and secondary sources of power are maintained. Renumber remaining sentences.
EXISTING OFC PROVISIONS	6.3.3.2. (1) **Smoke alarms** shall be maintained in operating condition by the **owner**.
PROPOSED OFC CHANGE	6.3.3.2. (1) **Smoke alarms** shall be maintained in operating condition by the **owner**. (2) Primary and secondary power supplies, as applicable, shall be maintained in operating condition by the **owner**. (3) For the purposes of Sentences (1) and (2), in rental **dwelling units**, including rental dwelling units regulated under Section 9.8, the landlord is deemed to be the **owner.** …
PROBLEM	A proposed change is being considered for the Building Code to require a secondary power source for smoke alarms. A corresponding change to the Fire Code is required to ensure that the secondary power source is maintained. Under existing OFC provisions, hard wired smoke alarms with a secondary power source (battery powered backup) could be considered in operating condition even when one of the power supplies is not functioning or has been disconnected.
RATIONALE FOR CHANGE	The proposed change will ensure that the secondary power source being proposed for the Building Code will be maintained. This change corresponds to a technical change being proposed to the Ontario Building Code and is subject to amendment based on the outcome of the Building Code consultation.
IMPACT	Improved public safety and enforcement.
IMPACT ON OTHER CODE PROVISIONS	Corresponding changes will be made to Article 6.3.3.5. as necessary.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	6.3.3.2.(2) [F82-OS1.4]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.3.3.(1)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Amend Sentence (1) by extending requirements to rental **occupancies** referred to in Clause 6.3.3.1.(1)(e).
EXISTING OFC PROVISIONS	6.3.3.3. (1) The landlord shall provide a copy of the **smoke alarm** manufacturer's maintenance instructions or **approved** alternative to the occupant in each rental **dwelling unit**, including the occupant in a dwelling unit regulated under Section 9.8. (2) In Sentence (1), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROPOSED OFC CHANGE	6.3.3.3. (1) The landlord shall provide a copy of the **smoke alarm** manufacturer's maintenance instructions or **approved** alternative to the occupant in each rental **dwelling unit**, including the occupant in a dwelling unit regulated under Section 9.8 and in rental **occupancies** referred to in Clause 6.3.3.1.(1)(e). (2) In Sentence (1), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROBLEM	Article 9.9.4.7. of Division B of the Building Code permits the installation of smoke alarms in Group D and E occupancies to be used in lieu of satisfying other measures required for fire and life safety. The Fire Code does not contain any requirement for ensuring the maintenance of these smoke alarms installed in non-residential suites.
RATIONALE FOR CHANGE	The proposed change will ensure that smoke alarms installed in these occupancies are maintained in operating condition for the safety of the occupants.
IMPACT	Improved public safety.
IMPACT ON OTHER CODE PROVISIONS	Refer to corresponding change to Sentence 6.3.3.1.(1).

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.3.3.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence (2) to require tenants to notify landlords of disabled, inoperable, disconnected or otherwise non-functioning smoke alarms. Renumber existing Sentence (2).
EXISTING OFC PROVISIONS	… ***Instructions for tenants*** 6.3.3.3.(1) The landlord shall provide a copy of the **smoke alarm** manufacturer's maintenance instructions or **approved** alternative to the occupant in each rental **dwelling unit**, including the occupant in a dwelling unit regulated under Section 9.8. (2) In Sentence (1), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROPOSED OFC CHANGE	… (2) Occupants in rental **dwelling units,** including rental dwelling units regulated under Section 9.8, shall immediately notify the landlord of any **smoke alarm** that is inoperable, disconnected or otherwise non-functioning. (3) In Sentences (1) and (2), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROBLEM	See Rationale.
RATIONALE FOR CHANGE	The proposal responds to a Coroners' inquest recommendation for occupants of rental units to notify the landlord of non-functioning smoke alarms. The proposal facilitates the landlord's obligation to maintain the smoke alarm in operating condition per Sentence 6.3.3.2.(1).
IMPACT	Improved public safety.
IMPACT ON OTHER CODE PROVISIONS	See related proposal for Article 6.3.3.6.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	(2) [F81, F82-OS1.4] (3) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.3.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Delete the word "intentionally" from Article 6.3.3.4.	
EXISTING OFC PROVISIONS	6.3.3.4. No person shall intentionally disable a **smoke alarm** so as to make it inoperable.	
PROPOSED OFC CHANGE	6.3.3.4. No person shall disable a **smoke alarm** so as to make it inoperable.	
PROBLEM	Enforcement is problematic in that the prosecution must not only prove that a smoke alarm was disabled but that it was also disabled intentionally.	
RATIONALE FOR CHANGE	The change will enhance enforcement and reinforce the importance of persons not disabling smoke alarms under any circumstances.	
IMPACT	Enhanced enforcement.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.3.3.6.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Article for testing of smoke alarms in rental dwelling units by the landlord. Sentence (1) requires an annual test of each smoke alarm. Sentence (2) requires testing when the battery in battery operated smoke alarms is replaced, when changes are made to circuits serving electrically operated smoke alarm and at each change in tenancy. Sentence (3) stipulates how the testing must be carried out.
EXISTING OFC PROVISIONS	None.
PROPOSED OFC CHANGE	… ***Testing*** 6.3.3.6.(1) In rental **dwelling units**, including rental dwelling units regulated under Section 9.8, **smoke alarms** shall be **tested** annually by the landlord. (2) In addition to Sentence (1), (a) Battery operated **smoke alarms** shall be **tested** after the battery is replaced, (b) Electrically operated **smoke alarms** shall be **tested** after any changes are made to the electrical circuit serving the **smoke alarm**, and (c) **Smoke alarms** shall be **tested** at each change in tenancy. (3) In Sentences (1) and (2), the **smoke alarms** shall be **tested** by activating the **smoke alarm** test feature. (4) In Sentences (1) and (2), "dwelling unit", in light face, means "dwelling unit" as defined in Sentence 9.8.1.1.(2).
PROBLEM	See Rationale.

RATIONALE FOR CHANGE	The proposal responds to a Coroners' inquest recommendation for landlords to test smoke alarms and keep records for 2 years. Article 1.1.2.1. currently addresses record keeping for any tests required in Fire Code.
IMPACT	Enhanced reliability of smoke alarm operation in rental dwelling units.
IMPACT ON OTHER CODE PROVISIONS	See related change to Article 6.3.3.3.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	6.3.3.6.(1) [F82-OS1.4] (2) [F82-OS1.4] (3) Note[1] (4) Note[1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.4.1.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Article 6.4.1.4. by removing the reference to 'Section 2.8' and include the cross-reference to Article 1.1.1.1.	
EXISTING OFC PROVISIONS	6.4.1.4. When the standpipe and hose system or any part thereof is shut down, the **supervisory staff** shall be notified in accordance with Section 2.8.	
PROPOSED OFC CHANGE	6.4.1.4.(1) When a standpipe system or part thereof is shut down, the **fire department** and **building** occupants shall be notified in accordance with Article 1.1.1.1. (2) In addition to the requirements of Sentence (1), **supervisory staff** designated in the building's fire safety plan shall be notified.	
PROBLEM	Section 2.8 does not provide corresponding requirements to notify supervisory staff under these circumstances. For this reason the reference to Section 2.8 should be removed.	
RATIONALE FOR CHANGE	The proposed change clarifies the requirement and facilitates compliance and enforcement by describing the responsibility of individuals who may be shutting down critical fire protection systems.	
IMPACT	Improved compliance and enforcement.	
IMPACT ON OTHER CODE PROVISIONS	None. See related change to Article 6.5.2.4. and Sentence 6.7.1.1.(3)	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.4.2.5**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Article 6.4.2.5. to clarify the requirements for inspection of standpipe hose.
EXISTING OFC PROVISIONS	6.4.2.5. (1) Standpipe hose shall be **inspected** and replaced on the **rack** annually and after use, and any worn hose or gaskets in the couplings at the hose valves and at the nozzle replaced. (2) When hose is replaced on the **rack** as required in Sentence (1), it shall be done so that any folds will not occur at the same places.
PROPOSED OFC CHANGE	6.4.2.5. (1) Standpipe hose shall be unracked, unreeled or unrolled and physically **inspected** at least annually and after use, and any worn hose or gaskets in the couplings at the hose valve and nozzle replaced. (2) When the hose is replaced on the rack, reel or storage area, it shall be reracked, rereeled or rerolled so that any folds do not occur at the same position on the hose.
PROBLEM	Some service companies are reportedly not removing fire hose from the hose rack for inspection. The common practice is to adjust the hose on the rack by changing the fold location. This practice does not provide for adequate inspection of the hose condition. "Rack" is not a defined term, and should not be in bold typeface. The current provisions limit the storage of the hose to racks.
RATIONALE FOR CHANGE	The proposed changes clarify the physical inspection requirements for standpipe hoses, provide for flexibility in their storage and achieve consistency with NFPA 1962 language and industry practice.
IMPACT	Improved compliance.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)			
PROPOSED CHANGE – OFC Record		**Division: B**	**Reference Number: 6.4.3.8.**
Corresponding NFC Change		**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Add new article to ensure air pressure is maintained in an automatic dry standpipe system, through normal checking of the maintained air pressure.		
EXISTING OFC PROVISIONS	None.		
PROPOSED OFC CHANGE	6.4.3.8. Water supply pressure and system air pressure for automatic dry standpipe systems shall be **checked** weekly by using gauges to ensure that the system is maintained at the required operating pressure.		
PROBLEM	The Fire Code does not contain a provision that would ensure air pressure is maintained in an automatic dry standpipe system,		
RATIONALE FOR CHANGE	Failure to maintain air pressure in an automatic dry standpipe system could lead to water migration into the system and to possible freezing of water in the standpipe in unheated areas of a building.		
IMPACT	Improved reliability of standpipe system to function properly when needed during a fire emergency. Inspection costs are negligible.		
IMPACT ON OTHER CODE PROVISIONS	N/A		
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION			
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	[F82-OS1.4,OP1.4]		

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.5.2.4.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Article 6.5.2.4. by removing the reference to 'Section 2.8' and include the cross-reference to Article 1.1.1.1.
EXISTING OFC PROVISIONS	6.5.2.4. When a sprinkler system or part thereof is shut down, the **supervisory staff** shall be notified in accordance with Section 2.8.
PROPOSED OFC CHANGE	6.5.2.4.(1) When a sprinkler system or part thereof is shut down, the **fire department** and **building** occupants shall be notified in accordance with Article 1.1.1.1., (2) In addition to the requirements of Sentence (1), **supervisory staff** designated in the building's fire safety plan shall be notified.
PROBLEM	Section 2.8 does not provide corresponding requirements to notify supervisory staff under these circumstances. For this reason the reference to Section 2.8 should be removed.
RATIONALE FOR CHANGE	The proposed change clarifies the requirement and facilitates compliance and enforcement by describing the responsibility of individuals who may be shutting down critical fire protection systems.
IMPACT	Improved compliance and enforcement.
IMPACT ON OTHER CODE PROVISIONS	None. See related change to Article 6.4.1.4. and Sentence 6.7.1.1.(3).
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.5.2.6.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Article 6.5.2.6. to clarify that the requirement also applies to valves controlling fire protection water supplies to sprinkler systems.
EXISTING OFC PROVISIONS	6.5.2.6. Closed sprinkler control valves shall be tagged or identified in an **approved** manner.
PROPOSED OFC CHANGE	6.5.2.6. Closed sprinkler control valves and closed valves controlling fire protection water supplies for sprinkler systems, shall be tagged or identified in an **approved** manner.
PROBLEM	This Article requires that sprinkler control valves be tagged or identified in an approved manner when they are closed, however it is not clear that this requirement also applies to valves that control fire protection water supplies that feed the sprinkler systems.
RATIONALE FOR CHANGE	Improved clarity and enforcement.
IMPACT	Minimal.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.6.1.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 6.6.1.2.(1) to also apply to valves serving combined domestic and fire protection systems.
EXISTING OFC PROVISIONS	6.6.1.2. (1) Except as permitted in Sentences (2) and (3), valves controlling water supplies used exclusively for fire protection systems shall be sealed in the open position and **inspected** weekly. (2) ….
PROPOSED OFC CHANGE	6.6.1.2. (1) Except as permitted in Sentences (2) and (3), valves controlling water supplies used exclusively for fire protection systems or used for combined domestic water supplies and fire protection systems, shall be sealed in the open position and **inspected** weekly. (2) …
PROBLEM	Sentence (1) does not specifically include water main valves on private water distribution systems that feed both domestic and fire protection systems, including site fire hydrants.
RATIONALE FOR CHANGE	Clarification is needed to ensure this requirement also applies to valves that control water supplies that feed both domestic and fire protection systems. This change will reduce the chance of fire protection water supply being reduced or cut off, when the supply is being used for both domestic and fire protection systems.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.7.1.1.(3)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 6.7.1.1.(3). by removing the reference to 'Section 2.8' and including the cross-reference to Article 1.1.1.1. as well as new Sentence (4).	
EXISTING OFC PROVISIONS	6.7.1.1. … (3) When an emergency power system or any part thereof is shut down, the **supervisory staff** shall be notified in accordance with Section 2.8.	
PROPOSED OFC CHANGE	6.7.1.1.(3) When the emergency power system or part thereof is shut down, the **fire department** and **building** occupants shall be notified in accordance with Article 1.1.1.1. (4) In addition to the requirements of Sentence (3), **supervisory staff** designated in the building's fire safety plan shall be notified.	
PROBLEM	Section 2.8 does not provide corresponding requirements to notify supervisory staff under these circumstances. For this reason the reference to Section 2.8 should be removed.	
RATIONALE FOR CHANGE	The proposed change clarifies the requirement and facilitates compliance and enforcement by describing the responsibility of individuals who may be shutting down critical fire protection systems.	
IMPACT	Facilitates compliance and enforcement through clarity of requirement	
IMPACT ON OTHER CODE PROVISIONS	None. See related change to Articles 6.4.1.4. and 6.5.2.4.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.8.1.1.(3)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Clause (g) to address installation of clean agent fire extinguishing systems.
EXISTING OFC PROVISIONS	6.8.1.1. … (3) The design and installation of a special fire suppression system that is not water-based shall conform to one of the following standards: (a) NFPA 11, "Standard for Low-, Medium-, and High-Expansion Foam", (b) NFPA 12, "Standard on Carbon Dioxide Extinguishing Systems", (c) NFPA 12A, "Standard on Halon 1301 Fire Extinguishing Systems", (d) NFPA 12B, "Standard on Halon 1211 Fire Extinguishing Systems", (e) NFPA 17, "Standard for Dry Chemical Extinguishing Systems", or (f) NFPA 17A, "Standard for Wet Chemical Extinguishing Systems". …
PROPOSED OFC CHANGE	6.8.1.1. … (3) The design and installation of a special fire suppression system that is not water-based shall conform to one of the following standards: …. (e) NFPA 17, "Standard for Dry Chemical Extinguishing Systems", (f) NFPA 17A, "Standard for Wet Chemical Extinguishing Systems", or (g) NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems".

PROBLEM	There are no installation requirements for systems utilizing products such as FM 200 or other clean agents. This reference is needed to help ensure consistency of design and installation of these types of extinguishing systems.
RATIONALE FOR CHANGE	To ensure installations will operate as intended.
IMPACT	Minimal.
IMPACT ON OTHER CODE PROVISIONS	A corresponding change to Table 1.2.1.A. will be made to include NFPA 2001.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 6.9.1.1.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	New provisions to allow for existing fire protection equipment and life safety systems to be temporarily or otherwise decommissioned where approved by the Chief Fire Official.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	**Section 6.9 Decommissioning** **Subsection 6.9.1. General** 6.9.1.1. Except as otherwise provided in this Part, fire protection equipment and life safety systems shall not be temporarily or permanently taken out of service, unless **approved**.	
PROBLEM	The Fire Code does not currently provide for temporary or permanent decommissioning of fire protection equipment and life safety systems except for maintenance purposes.	
RATIONALE FOR CHANGE	The proposed change provides for temporary or permanent decommissioning of fire protection equipment and life safety systems subject to the review and approval of the Chief Fire Official.	
IMPACT	Improved public and fire fighter safety..	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	Note[1]	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 7.1.1.2.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise provision to include fire emergency systems for high buildings in Part 9 Retrofit and require that such systems be inspected, tested and maintained similarly to systems required under the Building Code.
EXISTING OFC PROVISIONS	7.1.1.2. Fire emergency systems required by the **Building Code** shall be **tested** in conformance with Sections 7.2 and 7.3.
PROPOSED OFC CHANGE	7.1.1.2. Fire emergency systems required by this Code or by the **Building Code** shall be **inspected**, **tested** and maintained in conformance with Sections 7.2 and 7.3.
PROBLEM	Fire emergency systems required in Part 9 for high buildings are currently not subject to the same maintenance provisions as are required for high buildings under the Building Code.
RATIONALE FOR CHANGE	This proposed change will ensure emergency systems required by Part 9 of this Division meet the same maintenance standard as those required by the Building Code. For clarity, reference is made to inspection, testing and maintenance.
IMPACT	May increase frequency of inspection, testing and maintenance for some fire safety systems in high buildings regulated by Part 9 of this Division.
IMPACT ON OTHER CODE PROVISIONS	Corresponding revisions will be made to Articles 7.1.1.1. and 7.3.1.1. to include high buildings within the scope of Part 9 of the Fire Code.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.1.**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.9.**

DESCRIPTION OF PROPOSED CHANGE	Revise Article 8.1.2.1. by adding new Sentence (1) clarifying that building services be terminated at a point located outside of the building or part of the building being demolished. Add new Sentence (2) specifying the necessity to contact the service provider to ensure that building services are maintained by relocating them and protecting them from damage where necessary.
EXISTING OFC PROVISIONS	8.1.2.1. Existing **building** services that may be affected by **demolition** so as to cause a fire hazard shall be protected or be shut off and capped.
PROPOSED OFC CHANGE	8.1.2.1. (1) Except as required by Sentence (2) and except for water supplies for firefighting, **building** services shall be terminated at a point located outside the **building** or part thereof being **demolished**. (2) The service company whose service connection will be affected shall be notified before any action mentioned in Sentence (1) is taken and, if it is necessary to maintain any service, it shall be (a) relocated as necessary, and (b) protected from damage.
PROBLEM	Clarification of intent.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. Outside service connections for electricity, natural gas, propane, etc. may be inadvertently impacted by demolition operations. The proposed changes clarify expectations for reducing the fire risk.
IMPACT	Improved guidance and enforcement.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.2.**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.2., 5.6.1.3., 5.6.1.14.**

DESCRIPTION OF PROPOSED CHANGE	Replace Sentence (3) to clarify the requirement for firewatch personnel to ensure a fire warning is sounded to notify occupants. Add new Sentence (4) to clarify that firewatch personnel must have suitable protective equipment and a means of illumination. Relocate Sentence (4) to (5). Revise Subclause (6)(b)(i) to clarify that there may be variable provisions that may be implemented to alert occupants of a fire emergency. Add Subclause (6)(b)(iv) to require procedures for confining, controlling and extinguishing a fire. Incorporate other minor editorial changes to harmonize with similar provisions in the NFC.
EXISTING OFC PROVISIONS	8.1.2.2. (1) During periods when **demolition** operations will create a fire hazard to neighbouring properties or partially occupied spaces, a firewatch shall be provided. (2) Where a firewatch is required, the **demolition** site shall be toured at least once each hour. (3) The firewatch personnel shall be provided with a means of communication with the **fire department**, and be equipped with portable illumination and protective equipment. (4) Prior to commencement of **demolition**, a plan conforming to Sentence (5) shall be prepared and implemented for the **demolition** site. (5) The plan required by Sentence (4) shall include (a) the designation and organization of site personnel to carry out fire safety duties, including firewatch if applicable, (b) the emergency procedures to be used in case of fire, including (i) sounding the alarm throughout the **building**, (ii) notifying the **fire department**, and (iii) instructing site personnel on procedures to be followed when the fire alarm sounds, (c) the control of fire hazards in and around the **building**, and

	(d) the maintenance of fire fighting facilities.
PROPOSED OFC CHANGE	(3) Facilities shall be provided to enable firewatch personnel referred to in Sentences (1) and (2) to (a) ensure a fire warning is sounded to notify occupants, and (b) communicate with the fire department. (4) The firewatch personnel shall be equipped with portable illumination and protective equipment. (5) Except as required in Sentence (7), prior to commencement of **demolition**, a plan conforming to Sentence (6) shall be prepared and implemented for the **demolition** site. (6) The plan required by Sentence (5) shall include (a) the designation and organization of site personnel to carry out fire safety duties, including firewatch if applicable, (b) the emergency procedures to be used in case of fire, including (i) initiating a fire warning, (ii) notifying the **fire department**, (iii) instructing site personnel on the procedures to be followed once the warning has been initiated, and (iv) confining, controlling and extinguishing the fire, (c) the control of fire hazards in and around the **building** including procedures to mitigate risks to adjacent buildings, and (d) the maintenance of fire fighting facilities. (7) Where **demolition** operations occur in an existing **building** that is required to have a fire safety plan conforming to Section 2.8., the fire safety plan shall take into account the changes occurring to the **building** in conformance with Sentences 2.8.2.1.(4) and (5).
PROBLEM	While it is implied, the current language is not clear that firewatch personnel is responsible for notifying the occupants upon discovery of fire. There is a need for the emergency procedures to address the confining, controlling and extinguishing of a fire. There is a need to cross-reference to the fire safety plan provisions in Section 2.8 for buildings required to have a fire safety plan.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.

IMPACT	Facilitates compliance and enforcement by clarifying the intent.
IMPACT ON OTHER CODE PROVISIONS	See related proposed changes to Sentences 2.8.2.1.(4) and (5).
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.7.**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.4.**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence to require firefighter access to existing elevating devices.
EXISTING OFC PROVISIONS	***Access for fire fighting*** 8.1.2.7. (1) Fire fighting access routes shall be maintained in conformance with Section 2.5. (2) Unobstructed access to fire hydrants, portable extinguishers and to **fire department** connections for standpipe and sprinkler systems shall be maintained. (3) Where a **demolition** site is fenced so as to prevent general entry, provision shall be made for access by **fire department** equipment and personnel. (4) Elevating devices shall be accessible for the use of firefighters for **buildings** more than 36 m in **building height**, measured between **grade** and the floor level of the top **storey**.
PROPOSED OFC CHANGE	***Access for fire fighting*** 8.1.2.7. (1) Fire fighting access routes shall be maintained in conformance with Section 2.5. (2) Unobstructed access to fire hydrants, portable extinguishers and to **fire department** connections for standpipe and sprinkler systems shall be maintained. (3) Where a **demolition** site is fenced so as to prevent general entry, provision shall be made for access by **fire department** equipment and personnel. (4) Provision shall be made for the use of existing elevators, hoists or lifts to assist firefighters in reaching all levels of the **building**. (5) Elevating devices shall be accessible for the use of firefighters for **buildings** more than 36 m in **building height**, measured between **grade** and the floor level of the top **storey**.

PROBLEM	While the Code addresses the need for elevating devices to be accessible for firefighers in buildings more than 36 m in height, it does not identify provisions for buildings of lesser heights.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposed change facilitates prompt vertical movement by fire department personnel.
IMPACT	Improved firefighting capability..
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	8.1.2.7.(4) - [F12-OS1.2,OP1.2]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.8.(2)**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.5.(1)**
DESCRIPTION OF PROPOSED CHANGE	Editorial changes to Sentence (2) to clarify where the provisions apply.	
EXISTING OFC PROVISIONS	***Portable extinguishers*** 8.1.2.8. (1) Portable extinguishers shall be provided in **buildings** under **demolition** in conformance with Subsection 6.2.6. as if the **building** were graded for ordinary hazard under Subsection 6.2.5. (2) In addition to the other requirements of this Code, portable extinguishers shall be provided (a) adjacent to cutting or welding operations, (b) in areas where combustibles are stored, (c) near or on any internal combustion engines, (d) adjacent to areas where **flammable liquids** or gases are stored or handled, (e) adjacent to temporary oil-fired or gas-fired equipment, and (f) adjacent to bitumen heating equipment. …	
PROPOSED OFC CHANGE	***Portable extinguishers*** 8.1.2.8. (1) Portable extinguishers shall be provided in **buildings** under **demolition** in conformance with Subsection 6.2.6. as if the **building** were graded for ordinary hazard under Subsection 6.2.5. (2) In addition to the other requirements of this Code, portable extinguishers shall be provided in unobstructed and easily accessible locations in areas (a) where hot work operations are carried out, (b) where combustibles are stored, (c) near or on any internal combustion engines, (d) where **flammable liquids** and **combustible liquids** or gases are stored or handled,	

	(e) where temporary fuel-fired equipment is used, and (f) where bitumen heating equipment is used. …
PROBLEM	The term “adjacent” is too vague (e.g. a portable extinguisher could be adjacent to a room, yet travel distance to the portable extinguisher could be too far to be reached in a timely manner to prevent the uncontrolled growth of a fire).
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Improved clarity.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.10.**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.8.**

DESCRIPTION OF PROPOSED CHANGE	Replace Sentences (1) and (2) with a new provision that relates to ignition sources. Renumber Sentence (3).
EXISTING OFC PROVISIONS	***Clearance to combustible materials*** 8.1.2.10. (1) Internal combustion engines shall be located so that the exhaust discharges not less than 500 mm from combustible materials. (2) Where exhaust from internal combustion engines is piped outdoors, a clearance of not less than 150 mm shall be maintained between the exhaust pipe and any combustible material. (3) The clearance between combustible materials and temporary heating equipment, including **flues**, shall be in conformance with the **Building Code** or in conformance with the minimum clearances shown on certified heating equipment.
PROPOSED OFC CHANGE	***Ignition Sources*** 8.1.2.10. (1) Devices capable of producing ignition, internal combustion engines, temporary heating equipment and associated devices shall be kept at a safe distance from combustible material so as not to cause ignition. (2) The clearance between combustible materials and temporary heating equipment, including **flues**, shall be in conformance with the **Building Code** or in conformance with the minimum clearances shown on certified heating equipment.
PROBLEM	Identified sources of ignition are not limited to internal combustion engines.
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context.
IMPACT	Minimal.

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.13.**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.17.**
DESCRIPTION OF PROPOSED CHANGE	Revise Sentences (1) and (2) to clarify that a fire alarm system is not the only means necessary to provide early warning of fire in a building being demolished.	
EXISTING OFC PROVISIONS	8.1.2.13. (1) A system shall be provided to alert site personnel of fire. (2) The system required by Sentence (1) shall be capable of being heard throughout the **building**.	
PROPOSED OFC CHANGE	8.1.2.13. A means shall be provided to alert site personnel of a fire and such means shall be capable of being heard throughout the **building** or facility.	
PROBLEM	Usually existing fire alarm systems are not operational when building demolition operations are ongoing. The current requirement is often confused with a requirement to install a 'fire alarm system'.	
RATIONALE FOR CHANGE	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. The proposed change allows flexibility in implementing measures to achieve compliance.	
IMPACT	Improved flexibility.	
IMPACT ON OTHER CODE PROVISIONS	None.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 8.1.2.14. (New)**
Corresponding NFC Change	**Division: B**	**Reference Number: 5.6.1.11.**
DESCRIPTION OF PROPOSED CHANGE	Add new Article 8.1.2.14. to regulate the safety of tanks, piping and machinery reservoirs at demolition sites that contain combustible liquids or flammable liquids.	
EXISTING OFC PROVISIONS	None.	
PROPOSED OFC CHANGE	***Tanks, Piping and Machinery Reservoir Safety at Demolition Sites*** 8.1.2.14. (1) Tanks, piping and machinery reservoirs at a **demolition** site shall be taken out of service in conformance with Subsection 4.3.17. (2) Tanks, piping and machinery reservoirs at a **demolition** site that contain **combustible liquids** or **flammable liquids** or that are likely to contain flammable vapours shall be drained and, except as permitted by Sentence (3), removed prior to the **demolition** of the building. (3) Where it is impracticable to remove tanks, piping or machinery reservoirs from the **building** prior to **demolition**, such equipment shall be conspicuously identified and removed as soon as conditions permit. (4) Tanks, piping and machinery reservoirs referred to in Sentences (2) and (3) that once contained **combustible liquids**, **flammable liquids**, or flammable gases shall be purged with inert materials prior to **demolition** to prevent an explosion.	
PROBLEM	The presence of combustible liquids or flammable liquids on demolition sites poses a fire hazard if improper decommissioning procedures are followed.	
RATIONALE FOR CHANGE	This change corresponds to a technical requirement/change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative. The change may have been edited to reflect the Ontario Fire Code context. Addresses an identified risk.	
IMPACT	Improved safety.	

IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	(1) Note[1] (2) [F01,F43-OS1.1,OP1.1] (3) [F01,F81-OS1.1,OP1.1] (4) [F01,F43-OS1.1,OP1.1]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 9.3.3.8.(2)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Add new Sentence (2) to clarify the requirement for self-closers and latching devices for doors in exit stairway and interior stairway fire separations.
EXISTING OFC PROVISIONS	9.3.3.8. (1) **Closures** in **fire separations** required in Articles 9.3.3.5. and 9.3.3.6. shall be constructed in accordance with Article 9.10.3.1. of the **1986 Building Code** with a minimum 20 min **fire-protection rating**. …
PROPOSED OFC CHANGE	9.3.3.8. (1) … (2) Doors used as **closures** referred to in Sentence (1) shall be equipped with self-closing and latching devices. …
PROBLEM	Currently Sentence (1) does not explicitly require self-closing and latching devices as a primary requirement for doors used as closures in exit stairway and interior stairway fire separations. Such devices are required implicitly through the deemed to comply allowance in Sentence (3).
RATIONALE FOR CHANGE	Consistency with Sentence 9.3.3.8.(3).
IMPACT	None - clarifies requirement.
IMPACT ON OTHER CODE PROVISIONS	Existing Sentences (2) to (5) will be renumbered and other editorial changes to the Article will be made to correspond to the renumbering, as necessary..
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	9.3.3.8.(2) - [F03,OS1.2]

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 9.5.2.10.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Expand the exemptions under Sentence (2) to include all fuel-fired appliances that serve a room or suite
EXISTING OFC PROVISIONS	9.5.2.10. (1) Fuel-fired **appliances** shall be enclosed in a **service room** separated from the remainder of the **building** by a **fire separation** having a 45 min **fire-resistance rating** where the **building height** is greater than 2 **storeys** or the **building area** is greater than 400 m^2. (2) Sentence (1) does not apply to fireplaces within a **dwelling unit** or **suite**.
PROPOSED OFC CHANGE	9.5.2.10. (1) Fuel-fired **appliances** shall be enclosed in a **service room** separated from the remainder of the **building** by a **fire separation** having a 45 min **fire-resistance rating** where the **building height** is greater than 2 **storeys** or the **building area** is greater than 400 m^2. (2) Sentence (1) does not apply to a fuel-fired **appliance** that serves only one room or **suite**.
PROBLEM	The existing requirement is inconsistent and more restrictive than the Ontario Building Code. As written, fuel-fired appliances such as gas fired cooking stoves and gas fired dryers are required to be enclosed in fire-separated rooms.
RATIONALE FOR CHANGE	The change provides clarity and consistency with the Ontario Building Code and the provisions contained in Sentence 9.1.2.2.(1) of Division B of the Fire Code
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.

OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 9.5.2.12.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revise Article to reflect the proposed new defined term "refuse storage rooms".	
EXISTING OFC PROVISIONS	9.5.2.12. (1) Incinerator rooms and refuse storage rooms shall be separated from the remainder of the **building** by a **fire separation** having a 45 min **fire-resistance rating**. (2) Refuse storage rooms shall be **sprinklered** with a spacing not exceeding 9.5 m^2 per sprinkler head or providing a minimum average density of 6.5 L/min/m^2 over the room area.	
PROPOSED OFC CHANGE	9.5.2.12.(1) Incinerator rooms and **refuse storage rooms** shall be … (2) **Refuse storage rooms** shall …	
PROBLEM	Refuse storage room needs to be a defined term, indicating that recyclables are part of refuse storage.	
RATIONALE FOR CHANGE	Clarifies the intent of the provision.	
IMPACT	Improved compliance.	
IMPACT ON OTHER CODE PROVISIONS	A corresponding change will be made to Article 9.6.2.11. and a corresponding defined term is proposed for Division A, 1.4.1.2.	
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION		
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.	

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 9.5.3.7.(2)(b)(i)**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Revise Sentence 9.5.3.7.(2)(b)(i) to allow for closures that are not fixed shut but close automatically upon operation of a fusible link.
EXISTING OFC PROVISIONS	9.5.3.7. … (2) Where a fire escape serves any **storey** above the second floor, (a) doorway openings shall be protected with **closures** having a 20 min **fire-protection rating** and equipped with self-closing devices, and (b) window openings shall be protected by (i) **closures** having a 20 min **fire-protection rating** and that are fixed shut, (ii) wired glass screens set in fixed steel frames, (iii) glass block, or (iv) **listed** steel shutters arranged to close automatically upon the operation of a fusible link, where such openings are located within 3 m horizontally of, 3 **storeys** or 10 m below, or 1.8 m above, any balcony, platform or stairway of the fire escape. …
PROPOSED OFC CHANGE	… (b) window openings shall be protected by (i) **closures** having a 20 min **fire-protection rating** and that are fixed shut or arranged to close automatically upon the operation of a fusible link, …
PROBLEM	The current wording in Clause 9.5.3.7.(2)(b)(i) is restrictive in that it does not allow for other types of closures which are not fixed shut but which close automatically upon the operation of a fusible link.

RATIONALE FOR CHANGE	The proposed change allows for innovative and alternative forms of protection.
IMPACT	Increased compliance flexibility.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)		
PROPOSED CHANGE – OFC Record	**Division: B**	**Reference Number: 9.6.2.8.**
Corresponding NFC Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE	Expand the exemptions under Sentence (2) to include all fuel-fired appliances that serve a room or suite.
EXISTING OFC PROVISIONS	9.6.2.8. (1) Fuel-fired **appliances** shall be enclosed in a **service room** separated from the remainder of the **building** by a **fire separation** having a 1 h **fire-resistance rating**. (2) Sentence (1) does not apply to fireplaces within a **dwelling unit** or **suite**.
PROPOSED OFC CHANGE	9.6.2.8. (1) Fuel-fired **appliances** shall be enclosed in a **service room** separated from the remainder of the **building** by a **fire separation** having a 1 h **fire-resistance rating**. (2) Sentence (1) does not apply to a fuel-fired **appliance** that serves only one room or **suite**.
PROBLEM	The existing requirement is inconsistent and more restrictive than the Ontario Building Code. As written, fuel-fired appliances such as gas fired cooking stoves and gas fired dryers are required to be enclosed in fire-separated rooms.
RATIONALE FOR CHANGE	The change provides clarity and consistency with the Ontario Building Code and the provisions contained in Sentence 9.1.2.2.(1) of Division B of the Fire Code.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	None.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.

PROPOSED CHANGE TO THE 2007 FIRE CODE SUPPLEMENT (FCS-1)			
PROPOSED CHANGE – FCS Record		**Division: N/A**	**Reference Number: Multiple (see Table below)**
Corresponding NFC Change		**Division: N/A**	**Reference Number: N/A**
DESCRIPTION OF PROPOSED CHANGE	Revisions to attributions in Fire Code Supplement FCS-1.		
EXISTING OFC PROVISIONS	See Table below.		
PROBLEM	A number of attributions in the Fire Code Supplement FCS-1 require revision to more accurately reflect the intent of the requirements with which they are linked.		
RATIONALE FOR CHANGE	See Table below.		
IMPACT	None. Increased accuracy in the attributions will facilitate compliance with the Fire Code through alternative solutions.		
IMPACT ON OTHER CODE PROVISIONS	N/A		
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION			
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	N/A		

OBJECTIVES AND FUNCTIONAL STATEMENTS ATTRIBUTED TO THE ACCEPTABLE SOLUTIONS IN DIVISION B

Acceptable Solution Reference	Existing Attributions	Proposed Attributions	Rationale
2.2.1.1.	[F03-OS1.2,OP1.2]	[F82-OS1.2,OP1.2]	The intent of this Article is to ensure maintenance of the required fire separations and therefore an F82 attribution is more appropriate.
2.2.2.1.	[F03-OS1.2,OP1.2]	[F82-OS1.2,OP1.2]	The intent of this Article is to ensure maintenance of the required fire separations and therefore an F82 attribution is more appropriate.
2.4.1.1.(6)	[F01-OS1.1,OP1.1][F02-OS1.2,OP1.2]	[F03-OS1.2,OP3.1]	The intent of this Sentence is to reduce fire exposure to buildings from adjacent storage receptacles and therefore an F03 attribution is more appropriate. It is not the intent to prevent fire spread within a building (F02) or to prevent ignition of materials within the receptacle (F01).
2.4.1.6.	[F43-OS1.2,OP1.2]	[F01- OS1.1, OP1.1][F44-OS1.2, OP1.2]	The intent of this Article is to prevent ignition of flammable vapours (F01) from a flammable/combustible liquid spill and to limit the spread of the spill beyond its point of origin by absorbing it (F44). It is not to minimize the risk of release of the spill (F43).
2.6.1.3.	[F01,F82-OS1.1,OP1.1][F02-OS1.2,OP1.2]	[F01,F82-OS1.1,OP1.1] [F02,F82-OS1.2,OP1.2]	The maintenance functionality (F82) of this Article needs to be added to also limit fire spread (OS1.2, OP1.2)
2.6.1.13.	[F01-OS1.1,OP1.1][F02-OS1.2,OP1.2][F81-OP1.4] [F82-OS1.2,OS1.4,OP1.2]	[F82-OS1.1,OS1.2,OS1.4,OP1.1,OP1.2,OP1.4]	This Article has only a maintenance functionality (F82), and the associated objectives should also include a prevention of fire occurring objective for both life safety (OS) and property protection

			purposes (OP).
2.6.2.2.	[F01-OS1.1,OP1.1][F82-OS1.1,OS1.2,OP1.1,OP1.2]	[F01-OS1.1,OP1.1]	This Article should not include a maintenance functionality (F82) as there are no maintenance requirements in CAN/CSA-B365.
2.6.3.2.	[F01-OS1.1,OP1.1,OP3.1][F82-OS1.2,OP1.2]	[F01-OS1.1,OP1.1,OP3.1]	This Article should not include a maintenance functionality (F82) as there are no maintenance requirements in NFPA 82.
2.6.3.1.(2)	[F01-OS1.1,OP3.1] [F03-OS1.2][F81-OS1.1,OS1.2][F82-OS1.1]	[F01-OS1.1] [F03-OS1.2,OP3.1][F81-OS1.1,OS1.2]	This Sentence should not include a maintenance functionality (F82) as there are no maintenance requirements in NFPA 82.
2.6.3.4.(1)	[F01,F02,F03,F81-OS1.1,OS1.2,OP1.1,OP1.2,OP3.1]	[F01,F81-OS1.1,OP1.1] [F02,F03,F81-OS1.2,OP1.2,OP3.1]	Various attributions pairs are not appropriate, such as [F01-OS1.2,OP1.2,OP3.1] and [F02,F03-OS1.2,OP1.1], and as such should be deleted.
2.7.1.7.(1)	[F10,F30-OS1.5][F12-OS1.2,OP1.2]	[F10,F82-OS1.5][F12,F82-OS1.2,OP1.2]	The F30 functionality for this Sentence is redundant in that F10 covers the same functionality from a fire safety perspective. The F82 functionality is added to capture the maintenance component of the requirement.
2.7.3.3.(1)	[F10,F82-OS1.5]	[F82-OS1.5]	The F10 functionality for this Sentence is not required as it is strictly a maintenance requirement.
2.7.3.3.(2)	[F10,F82-OS1.5]	[F82-OS1.5]	The F10 functionality for this Sentence is not required as it is strictly a maintenance requirement.
2.7.3.3.(3)	[F10,F82-OS1.5]	[F82-OS1.5]	The F10 functionality for this Sentence is not required as it is strictly a maintenance requirement.
2.7.3.3.(4)	[F10,F82-OS1.5]	[F82-OS1.5]	The F10 functionality for this Sentence is not required as it is strictly a maintenance requirement.
2.7.3.3.(5)	[F10,F82-OS1.5]	[F82-OS1.5]	The F10 functionality for this Sentence is not required as it is

			strictly a maintenance requirement.
2.7.3.3.(6)	[F10,F82-OS1.5]	[F82-OS1.5]	The F10 functionality for this Sentence is not required as it is strictly a maintenance requirement.
2.8.2.3.(1)	[F2,F3,F12,F13-OS1.2,OS1.5,OP1.2] [F11-OS1.5]	[F12-OS1.2,OS1.5,OP1.2]	Only an F12 functionality is required for this Sentence as about the provision relates to facilitating emergency response.
2.8.2.4.	F01-OS1.1][F02-OS1.2,OP1.2][F10,F11-OS1.5][F12,F13-OS1.2,OS1.4,OS1.5,OP1.2,OP1.4][F82-OS1.1,OS1.2,OS1.4,OS1.5,OP1.1,OP1.2,OP1.4]	[F12-OS1.2,OS1.4,OS1.5,OP1.2,OP1.4]	Only an F12 functionality is required for this Article as the provision relates to facilitating emergency response.
2.8.2.5.(2)(a)	[F10-OS1.5]	[F12-OS1.2,OS1.5,OP1.2]	An F12 functionality is more appropriate as the requirement facilitates emergency response.
2.8.2.5.(2)(b)	[F12-OS1.2,OS1.5,OP1.2]	[F01-OS1.1,OP1.1][F03-OS1.2,OP1.2][F10-OS1.5]	This Clause relates to emergency procedures (including procedures to prevent fire spread) and fire safety rules to be observed by hotel guests and therefore the F01, F03 and F10 functionalities are more appropriate.
2.14.1.5.(1)(a)	[F11-OS1.2,OS1.5][F13-OS1.2,OS1.5,OP1.2]	[F11-OS1.5][F13-OS1.2,OS1.5,OP1.2]	The [F11-OS1.2] attribution is not appropriate. The [F13-OS1.2,OP1.2] attributions adequately deals with the prevention of fire spread performance objective.
3.2.1.4.	[F01,F81-OS1.1,OP1.1]	[F01-OS1.1,OP1.1] [F02,F03-OS1.2,OP1.2]	The F81 functionality is not appropriate. The [F02-OS1.2,OP1.2] and [F03-OS1.2,OP1.2] attributions are added to address fire severity and spread performance objectives.
3.2.2.2.(1)	[F03,F12-OP1.2,OP3.1] [F04-OS1.3,OP1.2]	[F03,F12-OP1.2,OP3.1] [F04-OS1.3,OP1.2,OP3.1]	An [F04-OP3.1] attribution is added to address a “collapse due to fire that could expose an

			adjacent building" performance objective.
3.2.2.26.	[F12-OS1.2,OS1.3,OP1.2,OP3.1]	Note[1]	Water supplies are contingent on discretionary approval of fire protection therefore an alternative solution for this provision is not applicable.
3.3.3.2.(5)	[F1,F81-OS1.1,OP1.1]	[F01,F81-OS1.1,OP1.1]	Errata - "F1" should be "F01"
3.7.1.2.	[F01-OS1.1,OP1.1] [F03-OS1.2,OP1.2]	Note[1]	This provision is a signpost and therefore does not require any attributions.
4.1.5.9.(1)	[F01,F43-OS1.1,OP1.1]	[F01,F12,F43-OS1.1,OP1.1][F12-OS1.2,OP1.2]	The attributions for this Sentence should also include [F12-OS1.1,OS1.2,OP1.1,OP1.2] to recognize that emergency responder activities in below grade floor areas, are more difficult than at grade level. These activities include dealing with spills that could lead to a fire or suppressing a fire.
4.1.6.3.(3)(a)	[F03-OP3.1][F44-OS1.1,OS1.2,OP1.1,OP1.2]	[F03-OP3.1][F44-OS1.1,OS1.2, OH5,OP1.1,OP1.2]	This Clause also needs an [F44-OH5] attribution as it includes a concern for public health.
4.1.6.3.(3)(b)	[F01-OS1.1,OP1.1] [F02-OS1.2,OP1.2] [F44-OS1.1,OS1.2,OP1.1,OP1.2]	[F01,F44-OS1.1,OP1.1]	The [F02-OS1.2,OP1.2] and [F44-OS1.2,OP1.2] are inappropriate as the purpose of putting absorbent materials on a spill is to prevent the spill from igniting, or spreading and then igniting, and is not about limiting the severity of a fire or preventing a fire from spreading.
4.1.6.4.(2)(f)	[F12-OS1.2,OP1.2]	[F12-OS1.1,OS1.2,OP1.1,OP1.2]	Since the intent of this requirement is to also prevent a spill from igniting, then [F12-OS1.1.] and [F12-OP1.1] attributions are also appropriate.
4.2.3.1.(1)	[F01,F04,F20,F43,F80, F81-OS1.1,OP1.1]	[F01,F20,F43,F80,F81-OS1.1,OP1.1][F04-OS1.2,OP1.2]	The F04 functionality is not compatible with OS1.1 or OP1.1 objectives. It is more appropriately combined as

			OS1.2 and OP1.2 objectives.
4.2.3.2.(2)	F01,F81-OS1.1,OP1.1] [F12-OS1.1,OS1.2,OP1.1,OP1.2]	Note[1]	This provision is an exemption to Sentence 4.2.3.2.(1), therefore no attributions are required.
4.2.6.4.	[F01,F04,F43-OS1.1,OP-1] [F02-OS1.2,OP1.2]	[F01,F04,F43-OS1.1,OP1.1][F02-OS1.2,OP1.2]	Errata - "OP-1" should be OP1.1
4.2.9.1.(2)	[F02,F03-OS1.2,OP1.2]	[F02-OS1.2,OP1.2]	An F03 functionality for limiting fire spread is not applicable for this provision, which is intended to control fire severity in the storage room.
4.3.12.4.(1)(a)	[F01-OS1.1,OP1.1] [F02-OS1.2,OP1.2]	[F01-OS1.1,OP1.1] [F02,F03,F12-OS1.2,OP1.2][F04-OS1.3,OP1.3][F44-OS1.1,OS1.2,OH5,OP1.1,OP1.2]	The attributions in Clause (a) need to be the same as those in Subsection 4.3.13. as that is the referenced Article for design of the dedicated rooms.
4.3.12.4.(2)	[F01-OS1.1,OP1.1] [F02,F12-OS1.2,OP1.2]	Note[1]	Sentence (2) is an exemption to Sentence (1) therefore attributions are not applicable.
4.3.14.1.(1)	[F01-OS1.1] [F43-OS1.1,OP1.1]	[F01-OS1.1,OP1.1] [F43-OS1.1,OP1.1]	An [F01-OP1.1] attribution is needed to reflect the potential for property damage due to a fire occurring
4.3.15.4.(5)	[F20,F82-OS3.4]	[F81-OS3.4]	An F20 functionality is not appropriate, as a leak test isn't intended to determine whether the tank can handle expected loads. Instead an F81 functionality is appropriate as the pneumatic test is intended to prove that there is no damage to the tank after installation. An F82 functionality is not appropriate as the requirement does not have a maintenance functionality.
4.3.16.3.(1)	[F43,F82-PS1.1,OP1.1]	[F43,F82-OS1.1,OP1.1]	Errata - PS1.1 should read OS1.1
4.3.17.1.(1)(b)	[F01,F34-OS1.1,OP1.1]	[F34,F81-OS1.1,OP1.1]	Both F81 (minimize risk of tampering) and F34 (resist or discourage unwanted access or entry) functionalities are more

			appropriate than F01 (minimize risk of accidental ignition).
4.3.17.1.(1)(c)	[F20,F81-OS1.1]	[F20-OS1.1]	The F81 functionality is deleted, as it is not relevant to the purpose of the requirement.
4.4.2.1.(4)*	[F20,F80,F81-OS1.1,OP1.1]	[F20,F43,F80,F81-OS1.1,OP1.1]	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative.
4.4.2.1.(5)*	[F20,F80,F81-OS1.1,OP1.1]	[F20,F43,F80,F81-OS1.1,OP1.1]	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative.
4.4.5.3.(1)*	[F20,F81-OS1.1,OP1.1]	[F20,F43,F80 F81-OS1.1,OP1.1]	This change corresponds to a technical change being proposed to the National Fire Code and is presented here for possible adoption into the Ontario Fire Code as part of the code harmonization initiative.
4.4.11.1.	[F12-OS1.1,OS1.2,OP1.1,OP1.2][81-OS1.1,OP1.1]	[F12-OS1.1,OS1.2,OP1.1,OP1.2][F81-OS1.1,OP1.1]	Errata - "81" should be F81
4.5.6.4.(1)	[F01-OS1.1,OP3.1]	[F01-OS1.1,OP1.1,OP3.1]	Add an [F01-OP1.1] attribution for situations where vapour can spread into a building and then ignite.
4.5.8.1.(1)	[F01-OS1.1,OP1.1] [F43,F44-OS1.1,OH5,OP1.1]	[F01,F43-OS1.1,OP1.1][F12-OS1.1,OS1.2,OH5,OP1.1,OP1.2]	An F44 functionality is not needed in this Sentence. [F12-OS1.1,OS1.2,OH5,OP1.1,OP1.2] attributions are added to reflect that the attendant is expected to facilitate emergency response.
4.5.8.1.(2)	F01-OS1.1,OP1.1] [F34,F43-	Note[1]	Sentence (2) is an exemption to Sentence (1) and therefore

	OS1.1,OH5,OP1.1]		does not require its own attribution.
4.5.8.2.(2)	[F01,F12,F43,F44-OS1.1,OH5,OP1.1]	[F01,F12,F43-OS1.1,OH5,OP1.1] [F12,F44-OS1.2,OP1.2]	[F44-OS1.1, OP1.1] attributions should be replaced with [F44-OS1.2,OP1.2] as being more appropriate. An [F12-OS1.2,OP1.2] attribution is added to reflect that the attendant is expected to facilitate emergency response to limit fire spread.
4.5.8.2.(3)	F44-OS1.1,OS1.2,OH5,OP1.1,OP1.2]	[F01,F12,F43-OS1.1,OH5,OP1.1] [F12,F44-OS1.2,OP1.2]	All attributions for Sentence 4.5.8.2.(3) should match those of Sentence 4.5.8.2.(2).
4.5.8.2.(4)	[F01-OS1.1,OP1.1] [F43,F44-OS1.1,OH5,OP1.1]	[F01-OS1.1,OP1.1] [F43-OS1.1,OH5,OP1.1]	The F44 functionality is not appropriate as the two-way communication is intended to limit the potential for an accidental release of fuel, not to limit the spread of the released fuel.
4.5.8.2.(5)	[F01-OS1.1,OP1.1] [F12,F43,F44-OS1.1,OH5,OP1.1]	[F01-OS1.1,OP1.1] [F12,F43-OS1.1,OH5,OP1.1] [F12,F44-OS1.2,OP1.2]	[F44-OS1.1, OP1.1] attributions are replaced with [F44-OS1.2,OP1.2] as being more appropriate. [F12-OS1.2,OP1.2] attributions are also appropriate as the attendant would facilitate emergency response to limit fire spread.
4.5.8.3.	[F01-OS1.1,OP1.1] [F12,F44-OS1.1,OH5,OP1.1]	[F01-OS1.1,OP1.1] [F12,F43-OS1.1,OH5,OP1.1] [F12,F44-OS1.2,OP1.2]	[F43-OS1.1,OP1.1] attributions are needed to reflect the functionality of minimizing the risk of release of fuel. [F44- OS1.1, OP1.1] attributions are replaced with [F44-OS1.2,OP1.2] as being more appropriate to limiting fire spread. [F12-OS1.2,OP1.2] attributions are also appropriate as the attendant would facilitate emergency response to limit fire spread.
4.5.8.5.(1)(a)	[F44-OS1.1,OS1.2,OH5,OP1.1,OP1.2]	[F12-OS1.1,OS1.2,OH5,OP1.1, OP1.2]	Replace F44 with F12 to reflect the functionality of facilitating emergency

			response.
4.5.8.5.(1)(b)	[F44-OS1.1,OS1.2,OH5,OP1.1,OP1.2]	[F43, F81-OS1.1,OH5,OP1.1] [F44-OS1.2, OP1.2]	Replace F44 with [F43,F81-OS1.1,OP1.1] attributions that relate to preventing release of fuel and its subsequent ignition.
4.5.8.5.(1)(c)	[F01-OS1.1,OP1.1] [F43-OS1.1,OP1.1,OS1.2,OP1.2]	[F01-OS1.1,OP1.1] [F43-OS1.1,OP1.1][F44-OS1.2, OP1.2]	[F43-OS1.2,OP1.2] attributions should more appropriately be [F44-OS1.2, OP1.2] to address the risk of spread of hazardous materials and resulting fire spread.
4.5.8.5.(3)	[F12,F81-OS1.1,OS1.2,OP1.1,OP1.2]	[F12-OS1.1,OS1.2,OP1.1,OP1.2]	The [F81-OS1.2,OP1.2] is redundant and therefore deleted.
4.7.9.3.(2)	[F01-OS1.1] [F02-OS1.2,OP3.1] [F03-OS1.2] [F44-OS1.1,OP3.1]	[F01-OS1.1,OP1.1] [F02,F44-OS1.2,OP1.2] [F03-OS1.2,OP3.1]	An [F01-OP1.1] attribution is added to reflect the potential for property damage to the pump house if ignition of vapours occurs. An [F03-OP3.1] attribution is added to reflect consideration for fire spread to adjacent buildings. F02 and F44 functionalities are more appropriately concerned with damage to the pier or wharf (OP1.2).
4.8.4.1.(1)(b)	[F43-OS1.1,OP1.1]	[F02,F44-OS1.2,OP1.2]	[F02-OS1.2, OP1.2] and [F44-OS1.2, OP1.2] attributions are more appropriate as Clause (b) deals with quantities of liquids released, which is a fire severity concern or liquids spill spread concern.
4.9.3.3.	[F01-OS1.1,OP1.1] [F20,F81-OS1.1,OH5,OP1.1]	[F01-OS1.1,OP1.1] [F20,F81-OS1.1,OH5,OP1.1][F04-OS1.2,OP1.2]	[F04-OS1.2,OP1.2] attributions are added to reflect that emergency vents are needed to relieve the tank under fire exposure conditions, which could lead to failure of tank from overpressure and spread of fire.
4.11.3.8.(2)(a)	[F01-OS1.1,OP3.1] [F03-OS1.2,OP3.1]	[F01-OS1.1,OP1.1] [F03,F81-OS1.2,OP3.1]	The [F01-OP3.1] attribution is revised to [F01-OP1.1] to reflect the risk of vapours entering building and igniting, versus causing a fire exposure

			risk. An [F81-OS1.2,OP3.1] attribution is added to account for risks associated with vehicle traffic accidents that damage refuelling vehicles causing release of fuel and starting a fire, and exposing adjacent buildings.
4.11.3.8.(2)(b)	[F02,F12-OP1.2]	[F02,F12-OS1.2,OP1.2]	An [F02-OS1.2] attribution is added to reflect the potential risk to life safety of the operator and any passers-by.
4.11.3.8.(2)(e)	[F44-OS1.1]	[F44-OS1.1,OS1.2,OP1.1,OP3.1]	[F44-OS1.2,OP1.1,OP3.1] attributions are added to reflect the risk for vapour spread or fire spread to nearby buildings.
4.12.8.5.(2)(a)	F80-OS1.1,OP1.1]	Note[1]	Clause (2)(a) is an exemption to Clause (1)(a) and should therefore have no attributions.
4.12.8.5.(2)(b)	F02-OS1.2,OP1.2]	Note[1]	Clause (2)(b) is an exemption to Clause (1)(a) and should therefore have no attributions.
5.6.2.4.(1)(b)	[F03,F12-OS1.2,OP1.2] [F44-OS1.1,OS1.2,OP1.1,OP1.2]	[F03,F12-OS1.2,OP1.2] [F44-OS1.1,OP1.1]	[F44-OS1.2,OP1.2] attributions are deleted as the [F03-OS1.2,OP1.2] attributions adequately deal with fire spread concerns.
5.6.2.4.(1)(c)	[F03,F12-OS1.2,OP1.2] [F44-OS1.1,OS1.2,OP1.1,OP1.2]	[F03,F12-OS1.2,OP1.2] [F44-OS1.1,OP1.1]	[F44-OS1.2,OP1.2] attributions are removed as [F03-OS1.2,OP1.2] attributions adequately deal with fire spread concerns.
5.6.2.4.(2)	[F02-OS1.2,OP1.2]	Note[1]	This Sentence is an exemption to Sentence 5.6.2.4.(1) and therefore does not require attributions.
5.18.3.4.(1)(c)(i)	[F01-OS1.1,OP1.1] [F03-OS1.2,OP1.2]	[F01-OS1.1,OP1.1] [F03-OS1.2,OP1.2,OP3.1]	An [F03-OP3.1] attribution is added to deal with spread of fire through openings in adjacent buildings.
5.18.3.4.(1)(c)(ii)	[F03-OS1.2,OP1.2]	[F01-OS1.1,OP1.1] [F03-OS1.2,OP1.2,OP3.1]	[F01-OS1.1,OP1.1] attributions are added to deal with flammable vapour being drawn into building intake openings and igniting. An [F03-OP3.1] attribution is added to deal with spread of

			fire through air intake openings in adjacent buildings.
6.2.1.3.(2)	Note[1]	Note[1] Applies to the following text in the Fire Code: "… and where portable extinguishers are located in a fire hose cabinet, an **approved** lockable, scored glass break-front cabinet may be used." [F81-OS1.4,OP1.4] Applies to the following text in the Fire Code: "A lockable break-front glazed cabinet may be used for security purposes …"	[F81-OS1.4,OP1.4] attributions are added to reflect security functionalities that Sentence (1) doesn't have.
6.2.1.3.(3)	Note[1]	[F81-OS1.4,OP1.4]	This is a permissive provision and attributions are required to reflect security functionalities that Sentence (1) doesn't have.
6.2.7.5.	[F82-OS1.4,OP1.4]	Note[1]	This is an administrative requirement and therefore does not require attributions.
6.3.1.2.(1)	Note[1]	[F13-OS1.2,OS1.5,OP1.2]	Attributions are required to reflect the need for notification of emergency responders to deal with fire severity and occupant evacuation issues.
6.3.1.2.(4)	[F82-OS1.4]	[F13-OS1.2,OS1.5,OP1.2] [F82-OS1.4,OP1.4]	[F13-OS1.2,OS1.5,OP1.2] attributions are added to reflect the need for fire alarm monitoring to reliably notify the fire service of a fire condition. [F82-OP1.4] attributions are added for property protection considerations.
6.3.1.2.(5)	[F11,F81-OS1.5]	[F13-OS1.2,OS1.5,OP1.2] [F82-OS1.4,OP1.4]	[F13-OS1.2,OS1.5,OP1.2] attributions are added to reflect the need for fire alarm monitoring to reliably notify the fire service of a fire condition. [F82-OS1.4,OP1.4] attributions are added for

			maintenance considerations of monitoring equipment.
6.3.1.4.	[F82-OS1.4]	[F10,F11-OS1.5][F13-OS1.2,OS1.5,OP1.2][F82-OS1.4,OP1.4]	[F10,F11-OS1.5][F13-OS1.2,OS1.5,OP1.2] attributions are added to reflect the importance of fire alarm and voice communication systems in notifying persons of need to evacuate and notifying of emergency responders to help with evacuation or preventing fire spread. Also [F82-OP1.4] attribution is added to reflect the property protection objective of fire alarm systems operating properly.
6.3.2.6.(2)	[F82-OS1.4]	[F11-OS1.5][F82-OS1.4]	[F11-OS1.5] attribution is added to reflect the objectives of having working interconnected smoke alarms.
6.3.3.2.(1)	[F82-OS1.4]	[F11-OS1.5][F82-OS1.4]	[F11-OS1.5] attribution is added to reflect the objectives of having working interconnected smoke alarms.
6.5.1.2.	[F82-OS1.4,OP1.4]	[F02,F03-OS1.2,OP1.2]	[F02,F03-OS1.2,OP1.2] attributions are added to reflect the objectives of having a working sprinkler system. [F82-OS1.4,OP1.4] attribution deleted as this Article is not a maintenance requirement.
6.5.6.6.	[F82-OS1.4,OP1.4]	[F06-OS1.4,OP1.4]	Replace the F82 maintenance functionality with an F06 functionality, which is intended to reduce the risk of failure or collapse of the sprinkler piping due to the effects of fire.
6.6.1.1.	[F82-OS1.4,OP1.4]	[F80-OS1.4,OP1.4]	Replace the F82 maintenance functionality with an F80 functionality, which applies to the possibility of a deteriorating water supply that could impact the effectiveness of sprinkler systems.

6.6.4.1.	[F82-OS1.4,OP1.4]	[F12-OS1.2,OP1.2]	Replace the F82 maintenance functionality with an F12 functionality, which applies to facilitating emergency responders to suppress fires.
6.6.4.2.	[F82-OS1.4,OP1.4]	[F12-OS1.2,OP1.2]	Replace the F82 maintenance functionality with an F12 functionality, which applies to facilitating emergency responders to suppress fires.
6.6.4.3.	[F82-OS1.4,OP1.4]	[F12-OS1.2,OP1.2]	Replace the F82 maintenance functionality with an F12 functionality, which applies to facilitating emergency responders to suppress fires.
6.8.1.1.(6)	[F02,F81-OS1.2,OP1.2]	[F02-OS1.2,OP1.2]	Remove F81 attributions as this Sentence should not have an interference or misuse functionality.
7.1.1.3.(2)	[F82-OS1.4,OP1.4]	[F12-OS1.2,OS1.5,OP1.2]	Replace the [F82-OS1.4,OP1.4] maintenance attributions with [F12-OS1.2,OS1.5,OP1.2] attributions, which apply to facilitating emergency responders to suppress fires and assist with evacuation.
7.1.1.3.(3)	[F82-OS1.4,OP1.4]	[F12-OS1.2,OS1.5,OP1.2]	Replace the [F82-OS1.4,OP1.4] maintenance attributions with [F12-OS1.2,OS1.5,OP1.2] attributions, which apply to facilitating emergency responders to suppress fires and assist with evacuation.
7.1.1.3.(4)	[F82-OS1.4,OP1.4]	[F12-OS1.2,OP1.2]	Replace the [F82-OS1.4,OP1.4] maintenance attributions with [F12-OS1.2,OP1.2] attributions, which apply to facilitating emergency responders to suppress fires.
7.2.1.2.	[F82-OS1.4,OP1.4]	[F12-OS1.2,OS1.5,OP1.2]	Replace the [F82-OS1.4,OP1.4] maintenance attributions with [F12-OS1.2,OS1.5,OP1.2] attributions, which apply to

			facilitating emergency responders to suppress fires and assist with evacuation.
7.3.1.1.	[F82-OS1.4,OP1.4]	[F03,F05-OS1.5][F12-OS1.2,OS1.5,OP1.2]	Replace the [F82-OS1.4,OP1.4] maintenance attributions with F03,F05-OS1.5 attributions that apply to limiting the fire (smoke) spread, and [F12-OS1.2,OS1.5,OP1.2] attributions, which apply to facilitating emergency responders to suppress fires and assist with evacuation.
9.3.3.2.(3)	[F05-OS1.5]	Note[1]	This not a requirement, but an exemption to Sentence (1), so does not require its own attributions
9.3.3.8.(1)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that closures serve to protect means of egress from the effects of fire.
9.3.3.8.(2)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that the contiguous corridor is part of the exit stair, which is also designed for safe exiting of occupants.
9.4.2.5.(2)	[F02,F03,F11-OS1.2]	Note[1]	This is an exemption to Sentence (1) and therefore does not require its own attributions.
9.4.2.8.(1)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that closures serve to protect means of egress from the effects of fire.
9.4.2.8.(2)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that closures serve to protect means of egress from the effects of fire.
9.4.2.14.(1)	[F02,F03-OS1.2]	[F02-OS1.2]	[F03-OS1.2] attribution is not required as the shaft wall design deals with this in Article 9.4.2.13. The sprinkler requirement is only concerned with limiting fire severity (F02).

9.5.2.8.(1)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that closures serve to protect means of egress from the effects of fire.
9.5.2.8.(2)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that closures serve to protect means of egress from the effects of fire.
9.5.2.14.(2)	[F02,F03-OS1.2]	[F02-OS1.2]	[F03-OS1.2] attribution is not required as the shaft wall design deals with this in Sentence (1). The sprinkler requirement is only concerned with limiting fire severity (F02).
9.6.2.6.(1)	[F03-OS1.2]	[F03-OS1.2][F05-OS1.5]	[F05-OS1.5] attribution is added to reflect that closures serve to protect means of egress from the effects of fire.
9.6.3.6.(2)	[F10,F12-OS1.5]	[F10-OS1.5][F12-OS1.2,OS1.5]	[F12-OS1.2] attribution is added to reflect that signage will help emergency responders to access correct floor to fight a fire.
9.6.4.1.(1)	[F11,F13-OS1.5]	[F11-OS1.5][F13-OS1.2,OS1.5]	[F13-OS1.2] attribution is added to reflect that fire alarms will notify emergency responders to attempt to suppress the fire.
9.6.4.2.(1)	[F11-OS1.5]	[F11-OS1.5][F13-OS1.2,OS1.5]	[F13-OS1.2] and [F13-OS1.5] attributions are added to reflect that fire alarms will notify emergency responders to attempt to suppress the fire and assist with evacuation.
9.6.4.2.(2)	[F11-OS1.5]	[F11-OS1.5][F13-OS1.2,OS1.5]	[F13-OS1.2] and [F13-OS1.5] attributions are added to reflect that fire alarms will notify emergency responders to attempt to suppress the fire and assist with evacuation.
9.6.4.3.	[F11-OS1.5]	[F11-OS1.5][F13-OS1.2,OS1.5]	[F13-OS1.2] and [F13-OS1.5] attributions are added to reflect that fire alarms will notify emergency responders to attempt to suppress the fire and assist with evacuation

9.6.4.8.	[F11,F13-OS1.5]	[F11,F13-OS1.5][F81-OS1.4]	[F81-OS1.4] attribution is added to reflect that OBC references fire alarm standards which result in reliable fire alarm/voice communication systems.
9.6.5.1.(1)	[F12-OS1.5]	[F12-OS1.2,OS1.5]	[F12-OS1.2] attribution is added to reflect that the emergency responders will also suppress the fire.
9.6.5.2.(4)	[F02,F12-OS1.2]	[F81-OS1.4]	[F02,F12-OS1.2] attributions replaced with [F81-OS1.4] attribution as the intent is to provide emergency power if main power fails, so that standpipes have a water supply.
9.6.5.5.(1)	[F02-OS1.2,OS1.4]	[F02-OS1.2][F81-OS1.4]	[F02-OS1.4] replaced with [F81-OS1.4] attribution to reflect that OBC references sprinkler standards to ensure reliable functioning.
9.9.4.11.(1)	[F11,F13-OS1.5]	[F81-OS1.4]	[F11,F13-OS1.5] attributions replaced with [F81-OS1.4] attribution as the intent is to provide power if main power fails, so that the fire alarm will function .

* Change originates from changes to the NFC.

PROPOSED CHANGE TO THE 2007 FIRE CODE (OFC)

PROPOSED CHANGE – OFC Record	Division: B	Reference Number: Parts 2 to 5
Corresponding NFC Proposed Change	**Division: N/A**	**Reference Number: N/A**

DESCRIPTION OF PROPOSED CHANGE

Relocate open air burning requirements from Subsection 2.6.3. Incinerators to Subsection 2.4.4. Open Flames. Relocate requirements for laboratories in basements from Article 4.1.5.9. to Subsection 4.12.10. Laboratories. Consolidate existing storage requirements within Part 3 and hazardous processes within Part 5.

EXISTING OFC PROVISIONS

See existing requirements in the OFC.

PROPOSED OFC CHANGE

Summary of Proposed Relocations in Parts 2 and 4 of the Fire Code

Proposed Relocations	From	To	Comments
Open Air Burning	2.6.3.4.(1)	2.4.4.4.	Harmonization with NFC
Laboratories in Basements	4.1.5.9.(4) and (5)	4.12.10	See corresponding proposed change sheet for 4.12.10.

Summary of Proposed Relocations in Parts 3 and 5 of the Fire Code

Proposed Relocations	From	To	Comments
Woodworking Plants	3.2.1.	5.10.1	Harmonization with NFC
Drycleaning and Dyeing Plants	3.6.	5.14.9.	Harmonization with NFC
Bowling Alleys	3.7	5.14.10.	Harmonization with NFC

	Matches	5.3	3.3.4.	Harmonization with NFC
	Combustible Fibres	5.11	3.3.4.	Harmonization with NFC
	Electrostatic Spraying	5.14.4	5.12.10.	Harmonization with NFC. Also, see corresponding proposed change sheets for 5.14.4. and 5.12.10.
	Dry Powder Finishing	5.14.6.	5.12.11.	Harmonization with NFC . Also, see corresponding proposed change sheets for 5.14.6. and 5.12.11.

PROBLEM	See above.
RATIONALE FOR CHANGE	See above.
IMPACT	None.
IMPACT ON OTHER CODE PROVISIONS	The relocations may require corresponding editorial / renumbering changes to other Code provisions.
OBJECTIVE BASED ANALYSIS OF THE CHANGE OR NEW PROVISION	
FUNCTIONAL STATEMENT(S) AND LINK(S) TO OBJECTIVE(S)	No Change.