Modernizing Chicago's Construction Codes

Code Development Handbook
Phase 2: 2018-2019

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Disclaimer

This *Handbook* has been prepared for the exclusive use of City of Chicago employees and contractors and individuals providing advice to the Commissioner of Buildings as part of one of the advisory groups described in this *Handbook.* Portions of this *Handbook* which address potential changes to the Municipal Code of Chicago are preliminary concepts only, prepared for the purpose of formulating future recommendations on policies or actions. Such portions of this *Handbook* are not statements of official policy by the City of Chicago. These preliminary concepts are subject to change at any time without notice.

Any modification of the Municipal Code of Chicago requires formal legislative action by the city council.

Cover Art

Executive Summary

In order to further streamline the permitting process, reduce construction costs, enhance public safety, and facilitate innovative design and construction practices, the City of Chicago is better aligning its construction requirements with model construction codes and standards enforced in other major jurisdictions in the United States while maintaining longstanding local requirements that are adapted to unique conditions in Chicago. To accomplish this, the Department of Buildings is working with the Chicago Fire Department and a wide range of design professionals and other stakeholders to build consensus for construction code modernization and develop ordinances for implementation.

Due to the scope of this undertaking, the task will be broken into three phases and extend over several years. Successful execution of the effort will require cooperation from within the Department of Buildings, from other city departments that regulate construction and building safety, and from our many industry partners. The result of this code alignment will not be a static set of new requirements but a new regulatory foundation which will make it easier for the City and the Department to maintain alignment and address the latest technologies through regular code updates in the future.

The proposed process for Phase 2 of this effort, and expectations about the extent of alignment, are outlined in this *Handbook*.

Background and Phase 1 – Electricity and Conveyance Devices

In 2015, with the support of a wide range of industry and trade groups, Building Commissioner Judy Frydland began to study ways to improve the Chicago Building Code to further the Department's mission of enhancing safety and quality of life for residents and visitors of the City of Chicago, in part by better aligning with the latest edition of widely-used model codes. In Phase 1, the Department worked through the reinstated Electrical Commission, which includes representatives of electricians, contractors, engineers, ComEd, and the Fire Department, to align the Chicago Electrical Code with the 2017 *National Electrical Code.* The Department also worked with a distinguished advisory group of elevator industry representatives to study and draft updates to the city's requirements for conveyance devices based on the 2016 *Safety Code for Elevators and Escalators* and eight other standards. Both efforts received broad support, and the recommended changes have been adopted by the city council. These requirements are now in effect.

Phase 2 – Core Construction and Renovation Requirements; Property Maintenance Standards

In Phase 2, the Department is continuing its code modernization efforts by preparing recommendations on how to align the core construction, fire protection, renovation, and property maintenance provisions of the Municipal Code of Chicago with the *International Building Code*® and related model codes developed by the International Code Council (ICC). These model codes are the basis of construction regulations in every other major city in the United States and are regularly updated to reflect industry consensus on how to safely and cost-effectively build with the latest construction materials and methods. In parallel with this effort, the Department will update the code language which governs the administration of the Department and minimum requirements for existing buildings.

The Department intends to present the initial Phase 2 code reform package to the city council in early 2019, begin accepting permit applications under the new code later in 2019, and completely implement the new code in 2020. The Fire Department anticipates a supplemental Phase 2 package to address requirements for highly-regulated hazardous uses and fire safety planning and operations later in 2019.

Phase 3 – Plumbing, Mechanical, Natural Gas, and Energy Efficiency

In Phase 3, the Department expects to update requirements related to mechanical systems, fuel gas, energy conservation, and plumbing, the majority of which were last updated in the early 2000s. Phase 3 may also include action to further update and streamline construction trade licensing provisions and regulation of signs. The exact structure and timing of Phase 3 will be informed by the Department's experience during Phase 2. (Illinois law may mandate earlier adoption of energy conservation-related requirements, but these requirements may be revisited in Phase 3.)

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Code Modernization Overview

The City of Chicago intends to comprehensively review and update its requirements for the design, construction, and maintenance of buildings ("Chicago Construction Codes")[1] to align, where appropriate, with the latest edition of widely-used consensus-based model codes and standards. Mayor Emanuel has asked Building Commissioner Judy Frydland and the Department of Buildings to oversee this effort.

In Phase 1, the Department worked through the reinvigorated Electrical Commission to develop a major update of the Chicago Electrical Code aligned with the 2017 edition of the *National Electrical Code*® and worked with an advisory group of distinguished elevator industry experts to prepare significant updates to the City's requirements for elevators, escalators, and other conveyance devices, aligned with the latest ASME/ANSI standards. These major code changes took effect in 2018.

In Phase 2, the Department intends to reorganize and streamline administrative provisions relating to departmental operations and address structural, egress, and life-safety requirements for both new and existing buildings, as well as operational and maintenance requirements for all buildings by aligning Chicago's existing requirements in these areas with selected provisions of the *International Building Code*®, *International Residential Code*®, *International Fire Code*®, *International Existing Building Code*®, and *International Property Maintenance Code*®. This phase will also align with parallel efforts to update accessibility requirements consistent with 2018 amendments to the Illinois Accessibility Code (IAC) aligned with the 2010 ADA Standards for Accessible Design and the March 2019 update to the Illinois Energy Conservation Code, which is mandated by state law.

In Phase 3, the Department intends to address requirements related to mechanical systems, fuel gas, energy conservation, and plumbing, including the incorporation of changes to these technical codes developed through pilot programs. Phase 3 may also include action to further update and streamline construction trade licensing provisions and regulation of signs. The exact structure and timing of Phase 3 will be informed by the Department's experience during Phase 2. (State law mandates initial adoption of energy conservation requirements in Phase 2, but these requirements may be revisited in Phase 3.)

Background on Code Development

Chicago's Construction Codes

Today, the Department of Buildings oversees most aspects of the design, construction, and operation of buildings and structures in the City of Chicago, and generally coordinates construction regulations that are enforced or administered by other City Departments. The Department of Buildings partners with the Fire Department and Law Department to enforce safety requirements applicable to existing buildings.

Model Codes

Due to continual and rapid advances in engineering and construction technology, and a need to digest an enormous volume of sometimes contradictory technical material, over the course of the twentieth century most governments in the United States came to rely on consensus-based model codes and standards developed by independent not-for-profit organizations as the basis of their construction regulations.

The first model codes were developed in the early twentieth century with the backing of insurance companies seeking to reduce losses, primarily due to fire. Large cities, like Chicago and New York, however, had access to the necessary talent and expertise to maintain independent code-development processes. By mid-century three regional associations were generating codes for the northern, southern, and western United States, while a fourth organization, the National Fire Protection Association ("NFPA"), produced national standards related primarily to fire safety and electrical systems. In the 1990s, the three regional associations merged to develop a single set of comprehensive and coordinated model construction codes for the United States and beyond (the International Codes or I-Codes). In 2012, NFPA's *National Electrical Code*® *("*NEC*")* was recognized as the model electrical code aligned with the I-Codes. Today, the NEC and I-Codes form the basis of construction regulation in every jurisdiction in the United States (except Chicago) and are also used in many other parts of the world. These model codes are updated on a 3-year cycle.

[1] In this document, the term "Building Code" will be used to refer to requirements which primarily relate to the construction of new buildings and will not include specialized subjects such as plumbing, mechanical, and electrical systems or conveyance devices, nor requirements for the maintenance of existing buildings. The term "Construction Codes" will be used to refer to all codes comprehensively.

History of Construction Regulations in Chicago

From the time Chicago became a town in 1833 (with a population of roughly 150), municipal government has regulated construction to reduce threats from fire, disease, and injury in buildings. When the City of Chicago was officially incorporated in 1837 (with a population of more than 4,000) the charter explicitly charged the city council with regulating construction to protect the public health safety and welfare from fire and other calamities. In the early years of rapid development, fireproof construction regulations were often ignored, overlooked, or waived by the city council as impractical or unaffordable. By October of1871, Chicago has a population of more than 334,000, living in more than 60,000 buildings, 90 percent of which were wood. The Great Fire consumed a 3.5 square mile area, from Harrison to Fullerton, destroyed more than 15,700 buildings (including the entire central business district), killed 300, and left 100,000 homeless. After the fire, *Tribune* publisher Joseph Medill was elected mayor on the "fireproof" ticket, and oversaw several post-fire construction reforms, including a controversial ban on wooden buildings in the central area. In 1875, Chicago adopted one of the United States' first building codes; it adopted the nation's first electrical code in 1883. The Department of Buildings was created in 1875 to administer these regulations. At the urging of Jane Addams, tenement regulations were adopted in 1902.

In the late nineteenth and early twentieth centuries, Chicago was a global leader in the development of construction regulations. Chicago was the first city in the United States to adopt an electrical code and one of the first to adopt a building code. Illinois was the first state to license architects and structural engineers. In the first half of the twentieth century, Chicago's construction requirements were frequently revised, hotly debated, and occasionally the target of litigation. The city council passed comprehensive revisions of the building code in 1905, 1910, and 1937-39; during these years many other reform proposals came and went. The code was shaped by many competing interests, and often influenced by major fire tragedies. Often, the city council appointed committees of distinguished architects and engineers to advise on development of a "modern" code. The 1939 code took more than 12 years to develop and adopt. Some hailed it as revolutionary, but others criticized it for not going far enough in allowing newer, lower-cost construction materials. With the outbreak of war, it had little practical impact. In 1942, the city council authorized special lower cost housing for armament plant workers and the subdivision of existing single-family homes. Following the end of World War II, the city council passed several "emergency" building code provisions to meet the post-war housing shortage. From 1946-47, John Merrill, one of the founding partners of SOM, oversaw a group of experts who drafted the foundations of the building code which exists today. After more than two years of hearings, the city council adopted the "Merrill Code" in December 1949.

In the 1950s, the code was revised to incorporate retroactive minimum standards for all existing buildings, with an emphasis on minimum standards for housing. In 1969, newly-appointed Buildings Commissioner Fitzgerald reinvigorated the building code advisory committee, which proposed a series of major amendments throughout the 1970s, culminating in the adoption of updated requirements for hazardous materials and the high rise code in 1975. In 1982 the rehabilitation code was adopted to encourage the reuse of existing buildings and further the policies of the 1968 Landmarks ordinance.

In 2003, a deadly fire in a government office building led the city council to adopt retroactive safety requirements for all pre-1975 high rise buildings. These took over 15 years to implement in over 1,000 buildings. As that effort was nearing completion, the Department began planning for this effort.

Goals for Phase 2

Departmental Draft

For approximately 10 months, the Department worked with internal stakeholders to review the model codes and prepare an initial draft, incorporating content from previous code modernization efforts, departmental priorities, and existing code provisions. The Departmental Draft will be the starting point for technical review.

Technical Review

Beginning in late 2018, the Department will begin meeting with six technical working groups, consisting of architects and engineers, to review the Departmental Draft based on the framework for code modernization set out in this *Handbook*. The working groups will meet on a weekly basis for approximately two-and-a-half months. At the same time, a stakeholder oversight group will begin meeting monthly to review the progress of the working groups and provide input on larger policy issues presented by the code modernization process. Based on the discussions which occur in the technical working groups and stakeholder oversight group, the Department and ICC will prepare a consensus draft.

Consensus

Achieving consensus on proposed new language is vital to producing code requirements that are balanced and will meet the diverse needs of the City of Chicago.

A consensus-based approach is a process in which the members of the technical working groups work together to identify mutually-acceptable solutions. Consensus does not mean unanimity of thought or abandonment of core values. Indeed, one characteristic of a well-constructed agreement is that it represents a wide range of values and interests. Consensus is an acknowledgement that the process can move forward and that participants support a decision, even if it is not exactly as initially envisioned. Given the variety of issues under consideration, the resulting agreement often garners varying levels of enthusiasm and support, but, on balance, it is one that each stakeholder can accept.

The consensus process used during the construction code modernization project will follow these principles:

Consensus Decision-Making. Participants make decisions by agreement rather than by majority vote.

Inclusiveness. To the extent possible, all necessary interests are represented or, at a minimum, approve of the decision.

Accountability. Participants will represent stakeholder groups, interests, or areas of technical experience and expertise. Participants are accountable both to their constituents and to the process.

Facilitation. The Department will act as a facilitator, accountable to all participants, to manage the process, ensures the ground rules are followed, and helps to maintain a productive climate for communication and problem solving.

Flexibility. Participants design a process and address the issues in a manner they determine most suitable to the situation.

Ground Rules. Participants share with the facilitator responsibility for setting and maintaining the ground rules for a process and for creating outcomes.

Commitment to Implementation. All stakeholders commit to carrying out their agreement.

An individual or group's support for decisions within a consensus-based process can range from an enthusiastic "Yes!" to partial disagreement and an agreement not to block implementation of the decision.

City Council Action

The goal of this process is to prepare a consensus draft for presentation to the City Council for adoption as law. The Department anticipates that such a draft will be ready by March 2019.

Phase 2 Structure and Process

To facilitate Phase 2 of the code modernization process, the Department is contracting with the International Code Council (ICC), assigning several senior staff members, and organizing an oversight group representing industry stakeholders and working groups of design professionals and other technical experts.

Project Leadership

The Commissioner of Buildings is overseeing the code modernization effort, which will involve coordination between several city departments. Other city departments will be represented on the oversight group and will participate in the technical working groups as needed. A Deputy Commissioner from the Department of Buildings has been assigned to oversee day-to-day management of the code modernization process.

Stakeholder Oversight Group

The stakeholder oversight group will review and advise the Commissioner on technical working group proposals regarding the technical and administrative provisions of the construction codes. Except for provisions subject to the dispute resolution process (*see below*), the Commissioner intends that the stakeholder oversight group achieve consensus on all proposals to be incorporated into the submission to the City Council.

Members of the stakeholder oversight group must be available to attend all meetings of the oversight group. During the drafting process, the stakeholder oversight group will meet monthly. Near the conclusion of the drafting process, more frequent meetings may be required. Group members may be removed and replaced at the discretion of the Commissioner for repeatedly missing meetings.

The stakeholder oversight group will be comprised of the chairs and vice-chairs of the technical working groups,

representatives of other city departments, and representatives of construction, labor, real estate, government, professional organizations, and other industry stakeholders.

Members of the stakeholder oversight group will be volunteers, nominated by their stakeholder organizations to represent the viewpoint of such organization on the oversight group. All members must be approved by the Commissioner. Individuals on the stakeholder oversight group may not represent more than one organization, and no organization may have more than one representative on the oversight group.

Stakeholder oversight group members are expected to attend all meetings. However, with the approval of the chair, a group member may send a substitute to attend a meeting in place of the member due to illness, urgent personal business, unavoidable scheduling conflict, or a similar reason.

The Building Commissioner will chair meetings of the stakeholder oversight group.

Technical Working Groups

The Department has created six technical working groups to address the requirements for permitted work (new construction and alterations of existing buildings) to be addressed in Phase 2:

The Building Planning working group will have primary responsibility for chapters 3, 4, 5, 6, 12, 15 and 31 of Title 14B. This group will conduct a secondary review of chapters 7, 10 and 14 of Title 14B and any matters referred by the Fire/Life Safety working group.

The Fire/Life Safety working group will have primary responsibility for chapters 7, 8, 9 and 10 of Title 14B and all chapters of Title 14F (portions of Title 14F will be deferred to Phase 2B). This group will conduct a secondary review of chapters 4, 5, 6 and 31 of Title 14B, and any matters referred by any other group.

The Enclosure and Materials working group will have primary responsibility for chapters 14, 20, 21, 24, 25 and 26 of Title 14B. This group will conduct a secondary review of chapters 8, 12, 15, 19, 22, and 23 of Title 14B.

The Structural working group will have primary responsibility for chapters 16, 17, 18, 19, 22 and 23 of Title 14B; and the structural requirements of Title 14W. This group will have secondary responsibility for chapters 20, 21, 24 and 26 of Title 14B.

The Existing Buildings working group will have primary responsibility for Title 14W.

The Small Residential Buildings working group will have primary responsibility for provisions to be added to Chapter 14B-4 and Title 14W applicable to small (1-3 unit) residential buildings based on existing provisions of the Chicago Building Code or the *International Residential Code* (IRC). This group will have secondary responsibility for all other provisions to review the impact on small residential buildings.

All technical working group members will be volunteers who are technical experts in the subject matter to be considered by the committee. Members of technical committees must be Illinois-licensed design professionals or have extraordinary professional experience in construction or fire prevention.

Members of technical working groups must be available to attend all group meetings. Working group members may be removed or replaced at the discretion of the Deputy Commissioner or Commissioner for repeatedly missing meetings.

The Department may create additional or ad-hoc technical working groups at its discretion or at the request of the stakeholder oversight group.

City-Drafted Provisions

The Department will have primary responsibility for drafting administrative provisions (Titles 14A and Chapters 1 and 2 of each other title) and minimum requirements for existing buildings (Title 14X). The Department will also take primary responsibility for drafting provisions related to use of the public way (Chapter 14B-32) and construction safety (Chapter 14B-33). These drafts may be presented to the stakeholder oversight group for input, however the stakeholder oversight group is not required to reach consensus on these provisions.

Responsibilities of the city and the working groups are indicated in this *Handbook* with the following shorthand:

DoB/CFD	Planning	Fire	Enclosure	Structure	Existing	SmallRes

A black background indicates primary responsibility. A gray background indicates secondary responsibility.

Dispute Resolution

If a technical working group is unable to reach consensus on any item within its purview, one member representing each viewpoint will be asked to prepare a concise written summary of their position and the technical basis of that position. The Department may request that representatives of each viewpoint meet separately, either with or without a neutral facilitator, to explore if there are grounds for resolution. If this process does not result in consensus, the written statements will be presented to the Department for tentative resolution. The Department may confer with representatives of each position, either separately or as a group, as part of the resolution process. The Department will present tentative resolution of any disputed item from a technical working group to the stakeholder oversight group, which may reject the Department's tentative resolution by consensus.

If the stakeholder oversight group is unable to reach consensus on any item, one member of the oversight group representing each viewpoint will be asked to prepare a concise written summary of their position and the technical basis of that position. The Department may request that representatives of each viewpoint meet separately, either with or without a neutral facilitator, to explore if there are grounds for resolution. If this process does not result in consensus, the written statements will be presented to the Department for tentative resolution. The Department may confer with representatives of each position, either separately or as a group, as part of the resolution process. The Commissioner of Buildings will ultimately resolve any disputed items from the stakeholder oversight group.

Disputed items that are resolved by the Department or the Commissioner through the process outlined in this section of the *Handbook* are not subject to further review by any working group or the oversight group.

Ground Rules

The following ground rules are offered as a starting point. These ground rules are subject to modification by the stakeholder oversight group, and apply to all code modernization activities:

Participation. Members agree to attend and fully participate in all scheduled meetings.

Equality. All participants in the process are equal.

Topics. No relevant topics are excluded from consideration unless agreed to by the group. Members should bring up all relevant items of concern.

Reconsideration. All agreements, including agreements on process and ground rules, remain open to reconsideration at any time (subject to limits on items subject to dispute resolution, described above).

Respect Opinions. Members agree to respect each other's opinions. Members will use gentle candor in comments to each other and will not interrupt others.

Respect Time. Members recognize that most participants are volunteers and have other commitments and obligations. No one will be allowed to dominate discussions and all members will be given an opportunity to express their opinions.

Respect Process. Members agree to work within the process to develop consensus on items and topics under discussion. Members will refrain from attempting to prematurely end discussion by invoking outside influencers.

Silence is Agreement. Silence on decisions reflects agreement. Facilitators and other members cannot read minds. If it appears the group is reaching consensus on an issue, and no one voices disagreement, it is assumed that all agree.

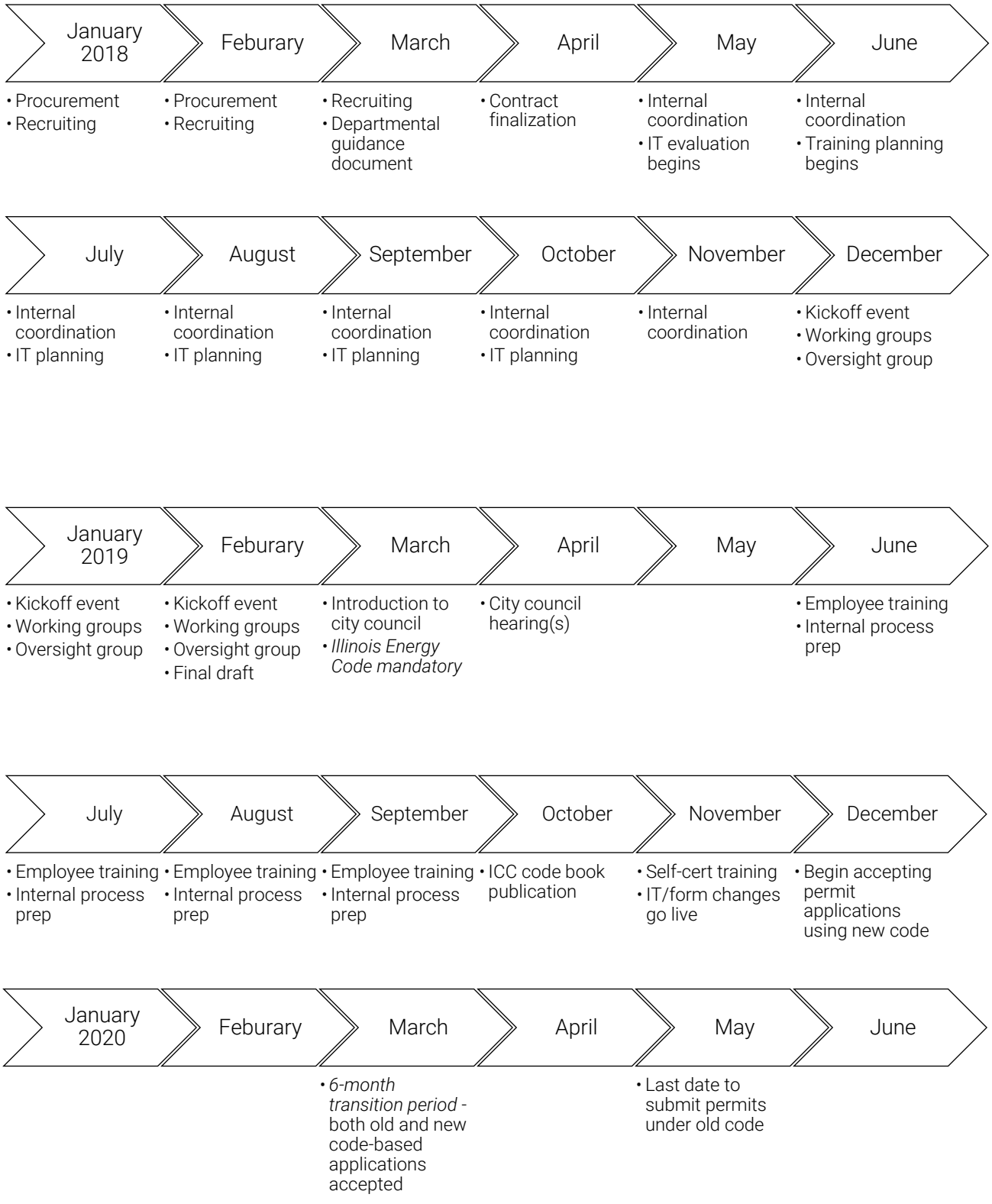
Accuracy of Records. If any member believes that minutes, drafts, or other records do not accurately reflect discussions which occurred or decisions which were made, they will promptly bring this to the attention of the keeper of such records.

Non-Attribution. Members agree not to attribute ideas or comments to specific participants outside the context of this process.

Rule of Decision. The rule of decision is consensus, as described in this document, and subject to the dispute resolution procedure outlined above. Neutrality by any member does not constitute a lack of consensus.

Have Fun. Members will do their best to enjoy the process and help other participants to do so as well.

Phase 2 Timeline



Title 14A Administration of Building Provisions

This title will contain administrative provisions related to activities performed by or under the direction of the Department of Buildings including building permits, registrations, and inspections.

This title will be based on existing administrative provisions of the Chicago Building Code, currently found in Titles 2, 13, 15, and 18 of the Municipal Code of Chicago.

NOTES:

Trade licensing provisions administered by the Department of Buildings will be in Title 14T.

14A-1 Scope and Application

DoB

Based on Portions of Chapters 2-22 and 13-8 of the Municipal Code of Chicago; IBC Chapter 1

Purpose To state the purpose of the construction codes and authority of the Commissioner and Department with respect to permitting, inspections and enforcement.

Highlights

- State authority of the Department in clear, consistent language
- Reduce existing ambiguities and conflicts
- Consistent with 2016 project to clean up provisions related to CFD authority

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-2 Definitions

DoB

Based on Portions of Chapter 13-4 of the Municipal Code of Chicago

Purpose To include or reference definitions related to administrative provisions.

Highlights

- Provide clarity by defining important terms in a uniform location
- Defined terms will appear in *italics* throughout code text

NOTE: Most definitions in Title 14A will be cross-references to substantive definitions found in Titles 14B through 14X

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-3 Enforcement

DoB

Based on Portions of Chapter 13-12 of the Municipal Code of Chicago

Purpose To specify enforcement powers of the Commissioner and Department of Buildings.

Highlights

- Defines, at a high level, what constitutes a violation of the Code
- Establishes remedies available in case of a violation
- Establishes procedures for exercising such remedies

NOTE: Substantive and technical requirements for registration and maintenance of vacant buildings will move to Title 14X; Miscellaneous electrical provisions (Ch. 13-12, Art. II) will move to new chapter of Title 14E.

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-4 Permits

DoB

Based on Portions of Chapter 13-32 of the Municipal Code of Chicago

Purpose To establish requirements for obtaining various types of building permits (and when a permit is not required), penalties for altering or misusing a permit, and the fees for issuance of a permit.

Highlights

- Streamlines provision for when a permit is not required
- Streamlines provision for when plans are not required to obtain a permit
- Clarifies expiration of permit applications and permits
- Grants Commissioner authority to establish specific requirements for document submissions by Rule to avoid legislating on frequently-changing requirements (*e.g.*, 3 paper copies)

NOTE: Consider expanding use of maintenance permits beyond electrical (the IBC suggests annual maintenance permits for gas, mechanical, plumbing, and electrical work)

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-5 Permit-Related Inspections

DoB

Based on Chapter 13-20 of the Municipal Code of Chicago

Purpose To establish the rights and duties of the Department and Commissioner with respect to permit-related, to establish requirements and procedures for acceptance of third-party reports in addition to or in place of inspections, and to establish fees and penalties related to inspections and reports.

Highlights

- Further standardizes and streamlines permit-related inspection processes, fees, and penalties
- Clarifies authority with respect to right of entry for inspections

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-6 Compliance Inspections and Reports

DoB

Based on Chapter 13-20 of the Municipal Code of Chicago; 13-196-031 through -039

Purpose To establish the rights and duties of the Department and Commissioner with respect to periodic, licensing, and complaint-based inspections, to establish requirements and procedures for acceptance of third-party reports in addition to or in place of inspections; and to establish fees and penalties related to inspections and reports.

Highlights

- Further standardizes and streamlines periodic inspection processes
- Further standardizes and streamlines periodic report-filing requirements
- Clarifies authority with respect to right of entry for inspections

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-7 Certificates

DoB

Based on Chapter 13-36 of the Municipal Code of Chicago

Purpose To establish when a certificate of occupancy is required and conditions for obtaining such a certificate

Highlights

- Restate existing requirements for certificates of occupancy

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-8 Posting Requirements

DoB

Based on Sections 13-52-190, 13-84-330 and Ch. 13-78 of the Municipal Code of Chicago

Purpose To establish requirements for certain safety-related information signage

Highlights
- Restate and streamline existing requirements for floor load placards
- Restate and streamline existing requirements for occupancy placards
- Restate and streamline existing requirements for emergency plans

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

14A-10 Project-Specific Approvals and Appeals

DoB

Based on Sections 13-8-031 and -032 and Chapters 13-16 and 13-24 of the Municipal Code of Chicago

Purpose To provide the Building Board of Appeals, Committee on Standards and Tests, Alternative Code Approval, and Formal Code Interpretations

Highlights
- Clean up language of existing requirements

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
	Pending	

Title 14B Building Code

This title will provide minimum requirements to safeguard the health, safety, and welfare of the public and occupants with respect to buildings built after its effective date ("new construction"). This title will provide prescriptive- and performance-based requirements for structural strength, means of egress, sanitation, adequate lighting and ventilation, accessibility, life safety, and fire protection systems. This title will also apply, selectively, to work done in existing buildings through the provisions of Title 14R.

This title will be based on the *International Building Code*® 2018 edition, with selected provisions of the *International Residential Code*® (related to single family homes and two-flats) incorporated throughout.

14B-1 Scope and Administration

DoB

Based on Chapter 1, *International Building Code*® 2018 edition.

Purpose This chapter will contain administrative provisions unique to the application of Title B (new construction). The majority of administrative provisions, which will apply to all construction codes, will be located in Title A.

Highlights
- Most administrative provisions, which apply to all types of work, will be in Title 14A
- Will contain administrative provisions related to tents and other temporary structures

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
101 General		Modified IBC
102 Applicability		Modified IBC
103 Department of Building Safety	Ch. 2-22	Do not adopt. See Chapter 2-22 and Title 14A.
104 Duties and Powers of Building Official	Ch. 13-8	Do not adopt. See Chapter 2-22 and Title 14A.
105 Permits	Ch. 13-32	Do not adopt. See Title 14A.
106 Floor and Roof Design Loads		Do not adopt. See Title 14A.
107 Submittal Documents	Ch. 13-40	Do not adopt. See Title 14A.
108 Temporary Structures and Uses	Ch. 13-96, arts. XIII, XVI	Do not adopt. See Title 14A.
109 Fees	Ch. 13-32	Do not adopt. See Title 14A.
110 Inspections	Ch. 13-20	Do not adopt. See Title 14A.
111 Certificate of Occupancy	Ch. 13-36	Do not adopt. See Title 14A.
112 Service Utilities		Do not adopt. See Title 14A.
113 Board of Appeals	Ch. 13-16, 13-24	Do not adopt. See Title 14A.
114 Violations		Do not adopt. See Title 14A.
115 Stop Work Order		Do not adopt. See Title 14A.
116 Unsafe Structures and Equipment		Do not adopt. See Title 14A.

14B-2 Definitions and Measurements

DoB | Planning | Fire | Enclosure | Structure | Existing | SmallRes

Based on Chapter 2, *International Building Code*® 2018 edition

Purpose This chapter will provide definitions for terms used in Title 14B. Where appropriate, definitions used in other construction codes will refer to the definitions in this chapter. Because this code applies broadly to a range of construction disciplines, use of defined terms is often necessary to avoid confusion or clarify terms that may have multiple discipline-specific meanings. Alignment of defined terminology with the *International Building Code* will help avoid conflicts with federal and state building regulations and help to avoid confusion for professionals who work in multiple jurisdictions.

Highlights

- In order to make the code easier to understand for users who work in multiple jurisdictions, every effort will be made to adopt model definitions as-is
- In some cases, training will be required to transition from a longstanding CBC-based definition to the IBC-based definition for the same term (i.e., exit)
- For key areas of Chicago-specific regulation, Chicago's longstanding definitions will be retained or incorporated (i.e., high rise building, porch, SRO)
- To the extent feasible, definitions and measurements will be coordinated with the Zoning Ordinance

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
201 General	13-4-010	Substantially equivalent – Adopt IBC
202 Definitions	Ch. 13-4	Modified IBC
20X Measurements	Chs. 13-4, 13-48, 17-17	Define methodology of measuring building heights and areas for purpose of Construction Codes with greater alignment to Zoning Ordinance method

14B-3 Use and Occupancy Classification

Planning **Fire**

Based on Chapter 3, *International Building Code*® 2018 edition

Purpose The purpose of this chapter is to classify a building, structure, or portion of a building or structure based on the specific purpose for which it is designed or occupied. Throughout the construction codes, group classifications are fundamental to determining the appropriate features of construction and occupant safety requirements.

Highlights

- The CBC's occupancy classification system will largely be replaced by the more intuitive and nuanced classification system of the IBC (Residential will be "R" instead of "A" and have 5 sub-classifications instead of 2)
- Educational occupancies will no longer be treated as a subset of assembly occupancy and post-secondary education facilities will not be classified as schools
- Small food service establishments will continue to be treated as non-assembly occupancies, and the CBC's higher cutoff will be retained (100 vs. 50) (This same rule will likely apply to all assembly spaces with OL ≤ 100)
- To separately regulate small residential buildings in a manner similar to the IRC, an additional occupancy classification, R-5 (1-3 units), will be created and R-3 will be eliminated
- Daycare classification will be harmonized with existing licensing classifications enforced by the City and State of Illinois. Educational daycare occupancies will be Class E-2.

- "Technology Center" sub-designation may be eliminated

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
301 Scope	13-56-010	Substantially equivalent
302 Occupancy Classification and Use Designation	13-56-010	Substantially equivalent
303 Assembly Group A	13-56-070 to -110	Hybrid IBC-CBC
304 Business Group B	13-56-120 to -121	Replace CBC with IBC
305 Educational Group E	13-56-100	Modified IBC; Create E-2 classification for educational daycare
306 Factory Group F	13-56-140 to -160	Modified IBC
307 High-hazard Group H	13-56-210	Replace CBC with IBC
308 Institutional Group I	13-56-050	Replace CBC with IBC
309 Mercantile Group M	13-56-130	Replace IBC-CBC
310 Residential Group R	13-56-020 to -040	Modified IBC; create R-5 classification for 1-3 units buildings
311 Storage Group S	13-56-170 to -190	Modified IBC
312 Utility and Miscellaneous Group U	13-56-220	Hybrid IBC-CBC

14B-4 Special Detailed Requirements Based on Use and Occupancy

Planning Fire SmallRes

Based on Chapter 4, *International Building Code*® 2018 edition

Purpose The purpose of this chapter is to group together requirements applicable to specialized uses, occupancies, and conditions that require detailed consideration and are not addressed elsewhere in the building code. This chapter includes provisions on conditions, such as underground buildings, covered malls, atriums, and high-rise buildings. It also contains detailed requirements for certain uses that involve heighted hazards which may occur in multiple occupancies or incidental to lower-hazard occupancies. Finally, it contains detailed information on certain institutional and live-work uses. Chicago-specific requirements for specific occupancies such as Wrigley Field adjacent rooftops, fences, and shooting ranges will be incorporated in this chapter.

Highlights
- Adopt national standard requirements for specialized occupancies such as atriums and healthcare facilities
- Update existing Chicago-specific requirements for high rise buildings in light of NIST recommendations and requirements enforced in other large jurisdictions (do not adopt requirement for third stair in high rise buildings)
- Retain existing Chicago-specific requirements for Wrigley Field-adjacent rooftops, shooting ranges
- Incorporate select provisions of *International Residential Code* applicable to small residential

buildings

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
401 Scope		New from IBC
402 Covered Mall and Open Mall Buildings	13-48-090(f)	Do not adopt IBC
403 High-rise Buildings	Ch. 13-76	Modified IBC
404 Atriums	13-48-090; 13-76-100	Replace CBC with IBC
405 Underground Buildings	13-60-170 to -200	Modified IBC
406 Motor-vehicle-related Occupancies	13-96-250 to -290; 13-108-030 to -100	Hybrid IBC-CBC
407 Group I-2	Ch. 13-80	Replace CBC with IBC
408 Group I-3	13-80-020	Replace CBC with IBC
409 Motion Picture Projection Rooms	13-84-120	Replace CBC with IBC
410 Stages, Platforms and Technical Production Areas	13-84-060 to -110	Hybrid IBC-CBC
411 Special Amusement Buildings		New from IBC
412 Aircraft-related Occupancies	13-108-110 to -160	Phase 2B
413 Combustible Storage	Ch. 15-28	Phase 2B
414 Hazardous Materials	Ch. 15-24 to 15-28	Phase 2B
415 Groups H-1, H-2, H-3, H-4 and H-5	Ch. 13-112	Phase 2B
416 Spray Application of Flammable Finishes	Ch. 15-24, art. VI	Phase 2B
417 Drying Rooms	15-24-840 to -890	Phase 2B
418 Organic Coatings	Ch. 15-24	Phase 2B
419 Live/work Units	13-64-400	Retain CBC
420 Groups I-1, R-1, R-2, R-3 and R-4	Ch. 13-64	Hybrid IBC-CBC
421 Hydrogen Fuel Gas Rooms		Phase 2B
422 Ambulatory Care Facilities		New from IBC
423 Storm Shelters		Do not adopt IBC
424 Children's Play Structures		Do not adopt IBC

425 Hyperbaric Facilities		Phase 2B
426 Combustible Dusts, Grain Processing and Storage	Ch. 15-28	Phase 2B
427 Medical Gas Systems		Phase 2B
428 Higher Education Laboratories		Phase 2B
	4XX Rooftops in Wrigley Field Adjacent Area (Ch. 4-388)	Retain CBC
	4XX Open Air Assembly Units (Group A-5) (Ch. 13-88)	Hybrid IBC-CBC
	4XX Fences (Ch. 13-96, art. IV)	Retain CBC
	4XX Public Utility Structures (Ch. 13-96, art. XXI)	Retain CBC
	4XX Shooting Ranges (Ch. 13-96, Art. XXII)	Retain CBC
International Residential Code	none	Incorporate selected provisions

14B-5 General Building Heights and Areas

Planning | **Fire** | **Existing**

Based on Chapter 5, *International Building Code*® 2018 edition

Purpose The main purpose of this chapter is to regulate the size of structures based on the specific hazards associated with the occupancy and the materials of which they are constructed. This chapter also provides for adjustments to the allowable area and height based on the presence of fire protection systems and other features which reduce risks from fire or facilitate fire response.

Highlights
- Generally increase permitted height and area of Types II-A and III construction with sprinkler protection based on national standards
- Slightly increase permitted use of Type V-A (protected frame) construction with sprinkler protection for some occupancies. Do not permit Type V-B (unprotected frame) construction, except limited uses allowed under CBC (Table 13-60-100 note e; 13-116-130)
- Adopt national standard method for evaluating risk of mixed occupancies
- Do not adopt Secs. 507 (unlimited area) or 510 (horizontal building separation)

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
501 General	13-48-010	Replace CBC with IBC
502 Building Address	10-4-090 to -110	Replace CBC with IBC
503 General Building Height and Area Limitations	13-48-030	Hybrid IBC-CBC
504 Building Height and Number of Stories	13-48-030	Modified IBC

505 Mezzanines and Equipment Platforms	13-48-020(d)(2)	Replace CBC with IBC
506 Building Area	13-48-050 to -090	Modified IBC
507 Unlimited Area Buildings		Do not adopt IBC
508 Mixed Use and Occupancy	13-56-230 to -280	Hybrid IBC-CBC
509 Incidental Uses		Hybrid IBC-CBC; coordinate with electrical code
510 Special Provisions	13-56-250	Do not adopt IBC

14B-6 Types of Construction

Planning **Fire**

Based on Chapter 6, *International Building Code*® 2018 edition

Purpose This chapter classifies structures by the type of construction in order to account for the response or participation that the structure will have in fire condition originating within the building as a result of its occupancy or fuel load. The model code uses five classifications: Type I, II, III, IV or V. Type I and II construction consist of building elements that are noncombustible. Type III construction has noncombustible exterior walls and combustible or noncombustible interior elements. Type IV construction has noncombustible exterior walls and heavy timber interior elements. Type V buildings are permitted to have building elements that are either combustible, noncombustible, or a combination of both. Types I, II, III and V are further subdivided into two categories (A and B) that identify differences in the degree of fire resistance. This chapter further imposes requirements on fire resistance of exterior walls and openings in exterior walls based on separation from lot lines and other buildings. This chapter also details limited conditions under which combustible elements may be used in conditions otherwise required to be built of noncombustible materials.

Highlights
- Adopt national standard classification system for types of construction
- Regulate exterior wall rating based on fire separation distance, not construction type
- Eliminate complicated use- and occupancy- based exceptions from construction type table
- Update list of permissible combustible materials in Type I and II construction
- Do not adopt FRTW as acceptable in load-bearing elements and exterior walls of non-combustible construction

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
601 General	13-60-010	Replace CBC with IBC
602 Construction Classification	13-60-010	Modified IBC
603 Combustible Material in Types I and II Construction	13-60-020 to -030	Modified IBC; evaluate permitted uses of FRTW

14B-7 Fire and Smoke Protection Features

Planning | **Fire** | SmallRes

Based on Chapter 7, *International Building Code*® 2018 edition

Purpose This chapter provides detailed requirements for fire-resistance-rated construction, including structural members, walls, partitions, and horizontal assemblies. Other chapters of the code dictate when certain fire-resistance-rated elements are required. This chapter specifies how these elements are constructed, how openings in walls and partitions are protected, and how penetrations of such elements are protected. Fire-resistance-rated construction is one aspect of fire protection in building design, often referred to as "passive protection."

Highlights
- Update passive fire resistance requirements based on national best practices and current fire science
- Retain CBC requirement for 4-hour fire walls to separate buildings, but allow 3-hour opening protectives if buildings on both sides are fully sprinklered
- Adopt fire separation distance as means to determine required protection for exterior walls and other exterior features (adjust as needed)
- Develop provisions on use of easements to meet FSD requirements
- Update requirements for protection of penetrations in rated floors and walls to reflect best practices and make use of widely-available construction products
- Adopt prescriptive and calculated methods for determining fire resistance of commonly-used materials and assemblies to facilitate design and construction
- Do not adopt "smoke partition" requirements (Sec. 710)

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
701 General	various	Substantially equivalent
702 Multiple Use Fire Assemblies		New from IBC
703 Fire-resistance Ratings and Fire Tests	15-12-050 to -060	Replace CBC with IBC
704 Fire-resistance Rating of Structural Members	13-60; 15-8 various	Hybrid IBC-CBC
705 Exterior Walls	15-8-070 to -110	Hybrid IBC-CBC
706 Fire Walls	15-8-010 to -060	Hybrid IBC-CBC; Retain 4-hour requirement from CBC
707 Fire Barriers	Ch. 15-8; 13-64-020	Replace CBC with IBC
708 Fire Partitions	Ch. 15-8; 13-64-020	Replace CBC with IBC
709 Smoke Barriers	13-80-030	Replace CBC with IBC
710 Smoke Partitions		Do not adopt IBC and conform related provisions
711 Horizontal Assemblies	Ch. 15-8	Replace CBC with IBC
712 Vertical Openings	Ch. 15-8	Replace CBC with IBC
713 Shaft Enclosures	15-8-120 to -180	Hybrid IBC-CBC

714 Penetrations	18-8-160	Replace CBC with IBC
715 Fire-resistant Joint Systems		New from IBC
716 Opening Protectives	15-12-070 to -250	Replace CBC with IBC; modify to address easements
717 Ducts and Air Transfer Openings		New from IBC
718 Concealed Spaces	15-8-570 to -640	Hybrid IBC-CBC
719 Fire-resistance Requirements for Plaster		New from IBC
720 Thermal- and Sound-insulating Materials		New from IBC
721 Prescriptive Fire Resistance		New from IBC
722 Calculated Fire Resistance		Evaluate

14B-8 Interior Finishes

Fire Enclosure SmallRes

Based on Chapter 8, *International Building Code*® 2018 edition

Purpose This chapter contains performance requirements for controlling fire growth within buildings by regulating interior finish materials and decoration.

Highlights
- Update requirements for the fire performance of interior finishes consistent with national standards, facilitating the appropriate use of readily-available materials
- Eliminate confusion/noncompliance caused by CBC's use of obsolete and idiosyncratic classification system for interior finish materials

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
801 Scope	15-8-370; 15-12-320 to -346	Substantially equivalent
802 General		
803 Wall and Ceiling Finishes	15-8-420; 15-12-340	Replace CBC with IBC
804 Interior Floor Finish	15-8-440; 15-12-346	Replace CBC with IBC
805 Combustible Materials in Types I and II Construction	15-8-370 to -480	Replace CBC with IBC
806 Decorative Materials and Trim	15-8-430	Replace CBC with IBC
807 Insulation		New from IBC
808 Acoustical Ceiling		New from IBC

Systems		

14B-9 Fire Protection Systems

Planning | **Fire** | SmallRes

Based on Chapter 9, *International Building Code*® 2018 edition

Purpose This chapter prescribes the minimum requirements for an active system or systems of fire protection to perform the following functions: to detect a fire; to alert the occupants or fire department of a fire emergency; to control the spread of smoke; and to control or extinguish the fire. Generally, the requirements are based on the occupancy classification and height and area of the building, as these are the factors that most affect fire-fighting capabilities and the relative hazards of a specific space or area.

Highlights

- Increase requirements for use of active fire protection systems in new construction to facilitate corresponding increase in permitted heights and areas for ordinary and frame construction
- Increase consistency of Chicago's technical requirements for the installation of active fire protection systems with national standards to increase compliance and decrease compliance costs
- Do not adopt manual fire alarm systems for low-rise residential buildings per CFD

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
901 General	various	Substantially equivalent
902 Fire Pump and Riser Room Size		New from IBC
903 Automatic Sprinkler Systems	Ch. 15-16, various	Hybrid IBC-CBC
904 Alternative Automatic Fire-extinguishing Systems	15-16-611	Replace CBC with IBC
905 Standpipe Systems	Ch. 15-16, various	Hybrid IBC-CBC
906 Portable Fire Extinguishers	Ch. 15-16, various	Hybrid IBC-CBC
907 Fire Alarm and Detection Systems	Ch. 15-16, various	Hybrid IBC-CBC
908 Emergency Alarm Systems	Ch. 15-16, various	Hybrid IBC-CBC
909 Smoke Control Systems		New from IBC
910 Smoke and Heat Removal		New from IBC
911 Fire Command Center	13-76-030	Hybrid IBC-CBC
912 Fire Department Connections	Ch. 15-16, various	Hybrid IBC-CBC

913 Fire Pumps	Ch. 15-16, various	Hybrid IBC-CBC
914 Emergency Responder Safety Features		Do not adopt IBC
915 Carbon Monoxide Detection	13-64-190 to -290	Hybrid IBC-CBC
916 Gas Detection Systems		New from IBC
917 Mass Notification Systems		Do not adopt IBC
918 Emergency Responder Radio Coverage		Do not adopt IBC

14B-10 Means of Egress

Planning **Fire** **SmallRes**

Based on Chapter 10, *International Building Code*® 2018 edition

Purpose This chapter provides minimum requirements for the means of egress (exiting) in all buildings and structures as the primary means of protecting building occupants. Both prescriptive and performance language is used in this chapter to provide a basic approach to determining a safe exiting system for all occupancies. This chapter details the size, arrangement, number and protection of means of egress components. Cooperation among developers of model codes and standards, as well as federal accessibility regulations, has resulted in agreement on many basic terms and concepts. Uniformity in means of egress regulations across jurisdictions ensures better compliance and greater safety for building occupants.

Highlights
- Adopt national standard methodology for sizing and separation exits in order to decrease confusion and increase compliance and safety
- Eliminate separate exiting calculation methodology for assembly occupancies
- Maintain Chicago's stricter exiting requirements for small residential occupancies
- Do not adopt IBC requirement for egress windows

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1001 Administration	13-160-010; 13-196-050 to -080	Substantially equivalent
1002 Maintenance and Plans		Do not adopt IBC
1003 General Means of Egress	13-160 various	Replace CBC with IBC
1004 Occupant Load	13-56-300 to -310	Hybrid IBC-CBC
1005 Means of Egress Sizing	13-160-170 to -220; 13-84-180	Replace CBC with IBC
1006 Number of Exits and Exit Access Doorways	13-160-050, 13-84-170	Hybrid IBC-CBC
1007 Exit and Exit Access	13-160-060 to -100	Modified IBC

Doorway Configuration		
1008 Means of Egress Illumination	13-160-660 to -690	Hybrid IBC-CBC
1009 Accessible Means of Egress	13-160-280, 18-11	Replace CBC with IBC
1010 Doors, Gates and Turnstiles	13-160-240 to -270	Replace CBC with IBC
1011 Stairways	13-160-290 to -350	Hybrid IBC-CBC
1012 Ramps	13-160-430 to -460, 18-11	Replace CBC with IBC
1013 Exit Signs	13-160-700 to -770	Retain CBC
1014 Handrails	13-160-320, 18-11	Replace CBC with IBC
1015 Guards	13-124-310 to -335	Modified IBC
1016 Exit Access	13-160 various	Replace CBC with IBC
1017 Exit Access Travel Distance	13-160-110 to -160	Hybrid IBC-CBC
1018 Aisles	13-84-230	Replace CBC with IBC
1019 Exit Access Stairways and Ramps	15-8-140	Hybrid IBC-CBC
1020 Corridors	13-160-220(b); 15-8-240	Replace CBC with IBC
1021 Egress Balconies		Modified IBC
1022 Exits		Replace CBC with IBC
1023 Interior Exit Stairways and Ramps	13-160-360 to -420; 15-8-140	Replace CBC with IBC
1024 Exit Passageways		New from IBC
1025 Luminous Egress Path Markings		Do not adopt IBC
1026 Horizontal Exits	13-160-480 to -510	Replace CBC with IBC
1027 Exterior Exit Stairways and Ramps	13-160-580 to -610	Replace CBC with IBC
1028 Exit Discharge	13-160-230	Replace CBC with IBC
1029 Assembly	13-84 various	Hybrid IBC-CBC
1030 Emergency Escape and Rescue		Do not adopt IBC

14B-11 Accessibility*

DoB

Based on Chapter 11, *International Building Code*® 2018 edition

Purpose The purpose of this chapter is to set forth requirements for accessibility applicable to those elements of the built environment that are included within the scope of the code. While the Americans with Disabilities Act ("ADA") and Fair Housing Act ("FHA") and accompanying regulation are civil rights legislation, they are not a building code. The model building code provisions on accessibility have been developed to coordinate with regulations issued under the ADA and FHA in terms familiar to architects and builders, and in a way that is fully coordinated with the remainder of the construction codes.

Status
- UNDER REVIEW. Subject to further discussion with MOPD alignment with 2018 Illinois Accessibility Code.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1101 General		
1102 Compliance		
1103 Scoping Requirements		
1104 Accessible Route		
1105 Accessible Entrances		
1106 Parking and Passenger Loading Facilities		
1107 Dwelling Units and Sleeping Units		
1108 Special Occupancies		
1109 Other Features and Facilities		
1110 Recreational Facilities		
1111 Signage		

14B-12 Interior Environment

Planning SmallRes

Based on Chapter 12, *International Building Code*® 2018 edition

Purpose The purpose of this chapter is to establish minimum conditions for the interior environment of a building. The size of spaces, light, ventilation, and noise intrusion are all addressed in order to define the acceptable conditions to which any occupant may be exposed. These requirements establish conditions to facilitate the physiological and psychological well-being of building occupants.

Highlights
- Maintain Chicago's requirements for natural light and ventilation in specified occupancies with common-sense updates
- Update Chicago's requirements for artificial light and ventilation
- Update Chicago's requirements for minimum room dimensions and toilet room configuration consistent with national standards

- Review IBC requirements for interior sound transmission

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1201 General		Substantially equivalent
1202 Ventilation		Hybrid IBC-CBC
1203 Temperature Control	13-196-400 to -410, -750 to -760	Hybrid IBC-CBC
1204 Lighting	13-172-080, Ch. 18-27	Hybrid IBC-CBC
1205 Yards or Courts	13-172-130 to -140	Hybrid IBC-CBC
1206 Sound Transmission		Do not adopt IBC
1207 Interior Space Dimensions	13-64-040 to -050	Hybrid IBC-CBC
1208 Access to Unoccupied Spaces		New from IBC
1209 Toilet and Bathroom Requirements	Ch. 18-29	Hybrid IBC-CBC

14B-14 Exterior Walls

Enclosure SmallRes

Based on Chapter 14, *International Building Code®* 2018 edition

Purpose The purpose of this chapter is to provide the minimum requirements for exterior wall coverings. This chapter also includes the minimum regulations for materials and the minimum thicknesses and installation requirements for exterior weather coverings and various wall veneers. Limitations on the use of combustible exterior wall finishes are also included.

Highlights
- Align with national standards for the use of common exterior cladding materials and systems in order to improve code compliance and building performance
- Evaluate expanded uses of fire-retardant treated wood (FRTW) and other combustible materials permitted by model codes
- Incorporate recommendations of combustible cladding advisory groups

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1401 General	15-8-070 to -100	Substantially equivalent
1402 Performance Requirements	13-196-530; 15-8-070	Hybrid IBC-CBC
1403 Materials	15-8-080 to -086	Replace CBC with IBC
1404 Installation of Wall Coverings		New from IBC
1405 Combustible Materials	13-60-030; Ch. 15-8	Hybrid IBC-CBC, modified per recommendations of

on the Exterior Side of Exterior Walls		combustible cladding advisory groups
1406 Metal Composite Materials (MCM)		New from IBC, modified per recommendations of combustible cladding advisory groups
1407 Exterior Insulation and Finish Systems (EIFS)	15-8-081 to -086	Replace CBC with IBC (largely update in terminology and referenced standards)
1408 High-pressure Decorative Exterior-grade Compact Laminates (HPL)		New from IBC, modified per recommendations of combustible cladding advisory groups
1409 Plastic Composite Decking		New from IBC

14B-15 Roof Assemblies and Rooftop Structures

Enclosure SmallRes

Based on Chapter 15, *International Building Code*® 2018 edition

Purpose This chapter establishes requirements for roof coverings and construction intended to provide a weather-protective barrier at the roof, and, in most cases, a fire-retardant barrier to prevent flaming combustible materials, such as flying brands from nearby fires, from penetrating the roof construction. This chapter is essentially prescriptive in nature and is based on consensus experience with traditional roof coverings.

Highlights
- Adopt national standards on roofing performance to increase code compliance and building performance
- Facilitate rooftop photovoltaic installations
- Maintain Chicago requirements for rooftop decks adopted in 2017

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1501 General		New from IBC
1502 Roof Drainage		Hybrid IBC-CBC
1503 Weather Protection	13-196-530	Replace CBC with IBC
1504 Performance Requirements	13-52-310; 13-196-530; 15-8-330	Replace CBC with IBC
1505 Fire Classification	15-8-330 to -360	Replace CBC with IBC
1506 Materials		New from IBC
1507 Requirements for Roof Coverings		New from IBC
1508 Roof Insulation	15-12-350	Replace CBC with IBC
1509 Radiant Barriers Installed Above Deck		New from IBC
1510 Rooftop Structures	Ch. 15-8, various	Hybrid IBC-CBC

1511 Reroofing		Adopt in 14W
1512 Photovoltaic Panels and Modules		New from IBC
15XX Rooftop Decks	Ch. 15-8, various	Retain CBC substance (2017 ordinance)
15XX Urban Heat Island Reduction	18-13-230	Relocate urban heat island roof reflectance provisions from Energy Code to Roofing requirements to reduce variance with Illinois Energy Code

14B-16 Structural Design

Structure **SmallRes**

Based on Chapter 16, *International Building Code*® 2018 edition

Purpose This chapter establishes minimum design requirements for the structural components of buildings, prescribes minimum design loads and required load combinations, and assigns buildings and structures to structural risk categories based on intended use.

Highlights

- Geographic-based requirements will be simplified to Chicago-specific values
- Seismic requirements may be adopted for "essential facilities" such as hospitals, fire and police facilities, water distribution facilities, and aviation facilities.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1601 General	13-52-010	Substantially equivalent
1602 Notations		New from IBC
1603 Construction Documents	13-52-030	Replace CBC with IBC
1604 General Design Requirements	13-52-020, -040	Replace CBC with IBC
1605 Load Combinations	Ch. 13-52	Modified IBC
1606 Dead Loads	13-52-080	Replace CBC with IBC
1607 Live Loads	13-52-090	Hybrid IBC-CBC
1608 Snow Loads	13-52-280	Modified IBC
1609 Wind Loads	13-52-310	Modified IBC
1610 Soil Lateral Loads	13-52-350	Hybrid IBC-CBC
1611 Rain Loads	13-52-270	Modified IBC
1612 Flood Loads	Ch. 16-6	Hybrid IBC-CBC
1613 Earthquake Loads	13-52-340	Modified IBC
1614 Atmospheric Ice Loads		New from IBC
1615 Tsunami Loads		Do not adopt IBC

1616 Structural Integrity		New from IBC

14B-17 Special Inspections and Tests

DoB **Structure**

Based on Chapter 17, *International Building Code*® 2018 edition

Purpose This chapter provides procedures and criteria for testing materials and assemblies and labeling materials and assemblies. Its key purpose is to identify additional inspection observations and reports that must be provided to the building department as part of the construction process in order to assure that buildings, once completed, meet the minimum structural and fire-safety code requirements as well as the approved design.

Highlights
- Expanded use of third-party (special) inspections to verify scopes or types of work not currently inspected by city inspectors may be incorporated
- Special inspections will supplement city inspections for quality assurance in more sophisticated and tolerance-sensitive methods of construction

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1701 General	13-40-145	Modified IBC
1702 New Materials		
1703 Approvals		Modified IBC
1704 Special Inspections and Tests, Contractor Responsibility and Structural Observation		Modified IBC
1705 Required Special Inspections and Tests		Modified IBC
1706 Design Strengths of Materials	Ch. 13-120	Modified IBC
1707 Alternative Test Procedure		Modified IBC
1708 In-situ Load Tests	13-52-060	Modified IBC
1709 Preconstruction Load Tests		Modified IBC

14B-18 Soils and Foundations

Structure **SmallRes**

Based on Chapter 18, *International Building Code*® 2018 edition

Purpose This chapter provides criteria for geotechnical and structural considerations in the selection, design, and installation of foundation systems to support the loads imposed by the structure above. This chapter includes requirements for soils investigation and site preparation.

Highlights

- Geographic-based requirements or soil conditions not found in Chicago will be removed
- Recognize additional widespread design and testing methods not presently allowed

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1801 General	13-132-010	Modified IBC
1802 Design Basis		Modified IBC
1803 Geotechnical Investigations	13-132-020 to -070	Modified IBC
1804 Excavation, Grading and Fill	Ch. 10-21; 13-124-380 to -450	Modified IBC
1805 Dampproofing and Waterproofing	13-196-530(a)	New from IBC
1806 Presumptive Load-bearing Values of Soils	13-132-060	Modified IBC
1807 Foundation Walls, Retaining Walls and Embedded Posts and Poles	Ch. 13-132	Modified IBC
1808 Foundations	Ch. 13-132	Modified IBC
1809 Shallow Foundations	Ch. 13-132	Modified IBC
1810 Deep Foundations	Ch. 13-132	Modified IBC

14B-19 Concrete

Enclosure **Structure** SmallRes

Based on Chapter 19, *International Building Code*® 2018 edition

Purpose This chapter provides minimum accepted practices for the design and construction of buildings and structural components using concrete.

Highlights

- Adopt up-to-date standards for concrete construction
- Adopt provisions for structural use of shotcrete

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1901 General	13-136-010	Replace CBC with IBC
1902 Definitions	13-136-010	Replace CBC with IBC
1903 Specifications for Tests and Materials	13-136-010	Replace CBC with IBC

1904 Durability Requirements		New from IBC
1905 Modifications to ACI 318	13-136-020	Modified IBC
1906 Structural Plain Concrete		New from IBC
1907 Minimum Slab Provisions		New from IBC
1908 Shotcrete		New from IBC

14B-20 Aluminum

Enclosure **Structure** SmallRes

Based on Chapter 20, *International Building Code*® 2018 edition

Purpose This chapter provides minimum standard for the structural use of aluminum in building construction.

Highlights
- Adopt standards for structural use of aluminum.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2001 General		New from IBC
2002 Materials	13-148-040	New from IBC

14B-21 Masonry

Enclosure **Structure** SmallRes

Based on Chapter 21, *International Building Code*® 2018 edition

Purpose This chapter provides minimum requirements for masonry construction. The provisions address: material specifications and test methods; types of wall construction; criteria for engineered and empirical designs; and required details of construction, including the execution of construction. Also addressed are masonry fireplaces and chimneys, masonry heaters, and glass unit masonry.

Highlights
- Adopt up-to-date standards for masonry construction
- Allow additional widely-recognized methods for structural masonry design
- Replace provisions related to chimneys and fireplaces repealed and not completely replaced as part of mechanical code adoption.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2101 General	13-140-010	Replace CBC with IBC

2102 Notations		Modified IBC
2103 Masonry Construction Materials	13-140-050 to -070	Hybrid IBC-CBC
2104 Construction	Ch. 13-140	Replace CBC with IBC
2105 Quality Assurance		New from IBC
2106 Seismic Design		New from IBC
2107 Allowable Stress Design		New from IBC
2108 Strength Design of Masonry	Ch. 13-140	Replace CBC with IBC
2109 Empirical Design of Adobe Masonry		New from IBC
2110 Glass Unit Masonry		New from IBC
2111 Masonry Fireplaces	prev. repealed; 18-28 art. 8	New from IBC
2112 Masonry Heaters	prev. repealed; 18-28 art. 8	New from IBC
2113 Masonry Chimneys	prev. repealed; 18-28 art. 8	New from IBC
2114 Dry-Stack Masonry		New from IBC

14B-22 Steel

Enclosure **Structure** **SmallRes**

Based on Chapter 22, *International Building Code*® 2018 edition

Purpose This chapter provides minimum requirements for the design and construction of structural steel (including composite construction), cold-formed steel, steel joists, steel cable structures, and steel storage racks.

Highlights

- Update standards for steel construction
- Adopt standards for newer structural systems, such as composite structures and structural uses of steel cables
- Adopt up-to-date structural requirements for cold-formed light gauge steel construction

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2201 General	13-148-010	Replace CBC with IBC
2202 Protection of Steel for Structural Purposes		
2203 Identification and Protection of Steel for Structural Purposes	13-148-030	Replace CBC with IBC
2204 Connections	13-148-030	Replace CBC with IBC

2205 Structural Steel	13-148-010	Replace CBC with IBC
2206 Composite Structural Steel and Concrete Structures		Replace CBC with IBC
2207 Steel Joists	13-148-030	Replace CBC with IBC
2208 Steel Cable Structures		New from IBC
2209 Steel Storage Racks		New from IBC
2210 Cold-formed Steel	13-148-020	Replace CBC with IBC
2211 Cold-formed Steel Light-frame Construction	13-148-020	Replace CBC with IBC

14B-23 Wood

Enclosure **Structure** SmallRes

Based on Chapter 23, *International Building Code*® 2018 edition

Purpose This chapter provides minimum requirements for the design of buildings and structures that use wood and wood-based products. Use of the American Wood Council's *Wood Frame Construction Manual* is allowed for a limited range of structures.

Highlights

- Provide up-to-date standards on the use of wood and wood-based products in construction
- Include both prescriptive and performance-based options for compliance
- Provide framework for evaluation of newer wood construction methods providing equivalent fire performance to traditional heavy timber construction
- Allow use of *Wood Frame Construction Manual* and prescriptive conventional light-frame construction to facilitate small, conventional projects

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2301 General	13-144-010	Replace CBC with IBC
2302 Design Requirements	13-120-070(c)	Replace CBC with IBC
2303 Minimum Standards and Quality	Ch. 13-144; 13-120-070	Replace CBC with IBC
2304 General Construction Requirements		Modified IBC
2305 General Design Requirements for Lateral Force-resisting Systems	13-120-070	Replace CBC with IBC
2306 Allowable Stress Design	13-120-070	Substantially equivalent
2307 Load and Resistance Factor Design		New from IBC
2308 Conventional Light-		New from IBC

frame Construction		
2309 Wood Frame Construction Manual		New from IBC

14B-24 Glass and Glazing

Enclosure **Structure** SmallRes

Based on Chapter 24, *International Building Code*® 2018 edition

Purpose This chapter establishes minimum performance criteria for glass and glazing used in buildings. The requirements address structural performance as well as risks from occupant impact.

Highlights
- Provide up-to-date guidelines on the structural use of glass
- Update requirements for the use of safety glazing in areas where there is a heightened risk of occupant impact
- Replace inconsistent and arbitrary rules on skylight materials

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2401 General		New from IBC
2402 Glazing Replacement		Do not adopt IBC
2403 General Requirements for Glass		New from IBC
2404 Wind, Snow, Seismic and Dead Loads on Glass		New from IBC
2405 Sloped Glazing and Skylights	13-200-280; 15-8-520	Replace CBC with IBC
2406 Safety Glazing	13-124-350 to -370	Replace CBC with IBC
2407 Glass in Handrails and Guards		New from IBC
2408 Glazing in Athletic Facilities		New from IBC
2409 Glass in Walkways, Elevator Hoistways and Elevator Cars		New from IBC

14B-25 Gypsum Board, Gypsum Panel Products and Plaster

Enclosure SmallRes

Based on Chapter 25, *International Building Code*® 2018 edition

Purpose This chapter contains minimum standards for the design, construction, and quality of gypsum board,

gypsum panel products, and plaster, as well as gypsum-reinforced concrete.

Highlights
- Adopt performance standards for widely-used gypsum-based construction materials and plaster
- Current code references obsolete technical standards from 1946, 1955, and 1968

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2501 General	13-120-070	Replace CBC with IBC
2502 Performance		New from IBC
2503 Inspection		New from IBC
2504 Vertical and Horizontal Assemblies		New from IBC
2505 Shear Wall Construction		New from IBC
2506 Gypsum Board and Gypsum Panel Product Materials		New from IBC
2507 Lathing and Plastering		New from IBC
2508 Gypsum Construction		New from IBC
2509 Showers and Water Closets		New from IBC
2510 Lathing and Furring for Cement Plaster (Stucco)		New from IBC
2511 Interior Plaster		New from IBC
2512 Exterior Plaster		New from IBC
2513 Exposed Aggregate Plaster		New from IBC
2514 Reinforced Gypsum Concrete	13-136-030, -040	Replace CBC with IBC

14B-26 Plastic

Fire | Enclosure | **Structure** | SmallRes

Based on Chapter 26, *International Building Code*® 2018 edition

Purpose This chapter addresses the use of plastic in building construction. It provides minimum requirements for foam plastic insulation, foam plastics used as interior finish and trim, and other plastic veneers, as well as light-transmitting plastics, fiber-reinforced polymers, and wood-plastic composites.

Highlights
- Provide substantive requirements to safely facilitate the use of many newer, plastic-based construction materials

- Update standards for use of foam plastic insulation, which have not been revised since 1975

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2601 General		New from IBC
2602 Finish and Trim		New from IBC
2603 Foam Plastic Insulation	15-8-081 to -086; 15-12-350	Replace CBC with IBC
2604 Interior Finish and Trim		New from IBC
2605 Plastic Veneer		New from IBC
2606 Light-transmitting Plastics		New from IBC
2607 Light-transmitting Plastic Wall Panels		New from IBC
2608 Light-transmitting Plastic Glazing		New from IBC
2609 Light-transmitting Plastic Roof Panels		New from IBC
2610 Light-transmitting Plastic Skylight Glazing		New from IBC
2611 Light-transmitting Plastic Interior Signs		New from IBC
2612 Plastic Composites		New from IBC
2613 Fiber-reinforced Polymer		New from IBC
2614 Reflective Plastic Core Insulation		New from IBC

14B-27 Electrical

DoB

Based on Chapter 27, *International Building Code*® 2018 edition

Purpose This chapter provides direction on where to find substantive requirements for electrical installations.

Highlights

- Do not make any substantive changes to existing electrical requirements adopted in Phase 1
- Clarified requirements for electrical safety in existing buildings will be adopted in Title X

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2701 General	14E-1-090	Modified IBC to reference Title 14E, and electrical

		provisions, if any, to be adopted in 14R and 14W.
2702 Emergency and Standby Power Systems	14E-7-700	Do not adopt. Retain CBC organization with emergency power requirements in Chapter 14E-7.

14B-28 Mechanical Systems

DoB

Based on Chapter 28, *International Building Code*® 2018 edition

Purpose This chapter provides direction on where to find substantive requirements for mechanical systems (heating, ventilation, air conditioning).

Highlights
- Do not make any substantive changes to existing mechanical requirements as part of Phase 2

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2801 General	Ch. 18-28	Modified IBC to reference Chapter 18-28 (14M in Phase 3), and mechanical provisions, if any, to be adopted in 14R and 14W.

14B-29 Plumbing Systems

DoB

Based on Chapter 29, *International Building Code*® 2018 edition

Purpose This chapter provides direction on where to find substantive requirements for plumbing installations.

Highlights
- Do not make any substantive changes to existing Chicago plumbing requirements as part of Phase 2

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2901 General	Ch. 18-29	Modified IBC to reference Chapter 18-29 (14P in Phase 3), and plumbing provisions, if any, to be adopted in 14R and 14W.
2902 Minimum Plumbing Facilities	Ch. 18-29	Do not adopt. Address in Chapter 18-29 on an interim basis and in Title 14P as part of Phase 3.

14B-30 Elevators and Conveying Systems

DoB | Planning | Fire

Based on Chapter 30, *International Building Code*® 2018 edition

Purpose This chapter provides direction on where to find substantive technical requirements for conveyance device installations, as well as substantive requirements related to the operation and enclosure of conveyance devices.

Highlights
- Consistent with Phase 1 updates to technical requirements for conveyance devices
- Align requirements for enclosures, emergency power, and interaction with fire protection systems
- Will not adopt requirement/allowance for occupant evacuation elevators unless supported by CFD

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3001 General	18-30	Hybrid IBC-CBC
3002 Hoistway Enclosures	15-8-150	Hybrid IBC-CBC
3003 Emergency Operations		Hybrid IBC-CBC
3004 Conveying Systems	15-8-150	Hybrid IBC-CBC
3005 Machine Rooms		Hybrid IBC-CBC
3006 Elevator Lobbies and Hoistway Opening Protection		Hybrid IBC-CBC
3007 Fire Service Access Elevator	13-76-130	Hybrid IBC-CBC
3008 Occupant Evacuation Elevators		Do not adopt IBC

14B-31 Special Construction

Planning | Fire | SmallRes

Based on Chapter 31, *International Building Code*® 2018 edition

Purpose This chapter provides regulations for unusual buildings and building elements not regulated elsewhere in the building code, including: membrane structures, greenhouses, and relocatable buildings, pedestrian walkways and tunnels, awnings, canopies, marquees, vehicular gates, and solar energy systems.

Highlights
- Adopt national consensus standards for specialized conditions (such as Membrane Structures and Greenhouses), increasing certainty for designers and reducing need for review by Committee on Standards and Tests
- Align with national requirements for temporary structures (tents), recognizing that many

such structures are rented-out across jurisdictional boundaries
- Update and simply requirements for swimming pools
- Further standardize and streamline requirements for solar installations, consistent with changes in Energy Conservation Code (2016) and Electrical Code (2017)

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3101 General		New from IBC
3102 Membrane Structures		New from IBC
3103 Temporary Structures	13-96-470 to -500, -610	Hybrid IBC-CBC; Reference 14F-31
3104 Pedestrian Walkways and Tunnels		New from IBC
3105 Awnings and Canopies	10-28-270 to -281	Hybrid IBC-CBC
3106 Marquees	10-28-200 to -260	Hybrid IBC-CBC
3107 Signs		Do not adopt IBC – See Title 14S
3108 Telecommunication and Broadcast Towers	13-96-1110	Hybrid IBC-CBC
3109 Swimming Pool Enclosures and Safety Devices	13-96-620 to -810	Hybrid IBC-CBC; consistent with IDPH requirements
3110 Automatic Vehicular Gates		New from IBC
3111 Solar Energy Systems		Hybrid IBC-CBC
3112 Greenhouses		New from IBC
3113 Relocatable Buildings	Regulated by the State of Illinois.	Do not adopt IBC

14B-32 Encroachments into the Public Right-of-Way

DoB

Based on Chapter 32, *International Building Code*® 2018 edition

Purpose This chapter provides direction on where to find substantive requirements for encroaching on the public way, administered by other City departments. Some rules mandating dimensional and performance requirements for permitted encroachments may be required in this chapter.

Highlights
- Encroachments into the public way are administered by the Department of Business Affairs and Consumer Protection (BACP)
- The requirement that doors and windows may not swing into the public way will be incorporated here
- Dimensional and safety requirements for permitted encroachments may be incorporated here (for example, minimum clearances to awnings and marquees)

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3201 General	Ch. 10-28	Do not adopt IBC
3202 Encroachments	Ch. 10-28, art. IX; 13-132-030	Do not adopt IBC
NEW	3203 Poles, Wires and Conductors (Ch. 13-12, art. II, sec. J)	Retain from CBC

14B-33 Safeguards During Construction

DoB

Based on Chapter 33, *International Building Code*® 2018 edition

Purpose This chapter provides operational safety requirements applicable to the construction process.

Highlights
- The need for new construction site safety requirements will be evaluated by CFD and DOB's Safety Council
- Reflects construction site safety requirements that are enacted in many nearby jurisdictions
- Incorporate fire safety requirements from Chapter 33 of IFC

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3301 General	Ch. 13-124, art. I	Hybrid IBC-CBC
3302 Construction Safeguards	Ch. 13-124, art. I	Hybrid IBC-CBC
3303 Demolition	Ch. 13-124, art. I	Retain CBC
3304 Site Work		New from IBC
3305 Sanitary		Do not adopt IBC
3306 Protection of Pedestrians	13-124-130 to -180	Hybrid IBC-CBC
3307 Protection of Adjoining Property	13-124-380 to -450	Retain CBC
3308 Temporary Use of Streets, Alleys and Public Property	10-28-282 to -286	Do not adopt IBC
3309 Fire Extinguishers		New from IBC
3310 Means of Egress		New from IBC
3311 Standpipes		New from IBC
3312 Automatic Sprinkler System		New from IBC
3313 Water Supply for Fire Protection		New from IBC
3314 Fire Watch During		New from IBC

Construction		

14B-35 Referenced Standards

DoB

Based on Chapter 35, *International Building Code*® 2018 edition

Purpose This chapter contains a comprehensive list of all standards that are referenced in other chapters of Title 14B.

Highlights

- By providing this information in a single chapter, the possibility of conflicting references is reduced

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Referenced Standards	Ch. 18-36	

14B-36 Appendices

DoB **Planning** **Fire**

Based on Selected Appendices, *International Building Code*® 2018 edition

Purpose The appendixes provide optional provisions, which may be adopted or incorporated.

Highlights

- Retain and update requirements for construction within the fire limits (Appendix D)
- Consider adoption of rodentproofing requirements (Appendix F)
- Evaluate flood-resistant construction requirements (Appendix G) – current requirements are enforced by Zoning Administrator
- Retain existing sign regulations in Administrative Provisions and in Title 14E

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Appendix A: Employee Qualifications	Ch. 2-22	Do not adopt IBC
Appendix B: Board of Appeals	Ch. 13-24	Do not adopt IBC – see Ch. 14B-1
Appendix C: Group U Agricultural Buildings		Do not adopt IBC
Appendix D: Fire Districts	Ch. 13-116	Hybrid IBC-CBC
Appendix E: Supplementary Accessibility Regulations	Ch. 18-11	Review with MOPD
Appendix F: Rodentproofing	13-196-630	New from IBC

Appendix G: Flood-Resistant Construction	Ch. 16-6	Do not adopt IBC; retain Chapter 16-6 as flood hazard requirements are enforced by the Zoning Administrator
Appendix H: Signs	Ch. 13-20, art. XIII; 13-96-090; 13-96-1120	Do not adopt IBC (see Title 14S)
Appendix I: Patio Covers		Do not adopt IBC
Appendix J: Grading		Do not adopt IBC (consider runoff rule J109.4)
Appendix K: Administrative Provisions		Do not adopt IBC
Appendix L: Earthquake Recording Instrumentation		Do not adopt IBC
Appendix M: Tsunami-Generated Flood Hazard		Do not adopt IBC

Title 14C Conveyance Device Code (Phase 1)

This title regulates elevators, escalators and other conveyance devices based on nine national consensus standards, notably ASME A17.1 *Safety Code for Elevators and Escalators*® 2016 edition. In cases where no appropriate national consensus standard existed at the time of drafting, existing Chicago-specific requirements were maintained.

Title 14C was adopted by the city council March 28, 2018 (O2018-974) and took effect April 18, 2018. Older requirements for conveyance devices found in Chapters 18-30, 18-31, and 18-32 will be repealed October 1, 2018. Requirements for conveyance devices were previously revised in 2009.

14C-1 Scope and Administration

Based on Chapters 13-20 and 18-30, Municipal Code of Chicago, various International codes

Purpose This chapter will contain administrative provisions unique to the application of Title C (conveyance devices). The majority of administrative provisions, which will apply to all construction codes, will be located in Title A.

Highlights

- Reorganizes and streamlines existing administrative requirements regarding conveyance devices
- Clarifies responsibility for conveyance device safety
- Clarifies applicability of new construction requirements to existing installations

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
101 Scope	18-30-001, -005	Revised CBC language
102 Applicability		New language, consistent with ICC codes
103 Inspections	13-20-100; 18-30-017; 18-30-380; 18-30-420(a)	Revised CBC language
104 Permits		[Reserve for future use]
105 Certificates of Compliance	13-20-110	Revised CBC language
106 Unsafe Conditions	13-20-130	Revised CBC language
107 Mandatory Reporting	18-30-440	Revised CBC language

14C-2 Definitions

Based on New

Purpose This chapter contains definitions specific to Title 14C.

Highlights

- Standardizes usage of "authority having jurisdiction"
- Defines "conveyance device" consistent with existing AIC program rules
- Adopts definition of mechanical amusement riding device based on Illinois statutes

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
201	n/a	New
202	n/a	New

14C-3 Elevators, Escalators, Dumbwaiters, Moving Walks, Material Lifts, and Dumbwaiters with Automatic Transfer Devices

Based on *Safety Code for Elevators and Escalators*, ASME A17.1-2016

Purpose This chapter adopts, with modifications, the latest national safety standards for the installation of new elevators, escalators, and similar equipment.

Highlights

- Adopts latest national standard for new elevators and escalators
- Significantly reduces Chicago-specific requirements over previous adoption
- Maintains Chicago-specific requirements for firefighters' emergency operation

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1 General	18-30-030	Adopt with minor modification.
2 Electric elevators	18-30-040	Adopt with modifications.
3 Hydraulic elevators	18-30-050	Adopt without modification.
4 Elevators with other types of driving machines	18-30-060	Adopt with minor modification.
5 Special application elevators	18-30-070	Adopt without modification.
6 Escalators and moving walks	18-30-080	Adopt without modification.
7 Dumbwaiters and material lifts	18-30-090	Adopt without modification.
8 General requirements	18-30-100	Adopt with modifications.
9 Reference codes and standards	18-30-110	Adopt without modification.
10 Appendices	18-30-140	Do not adopt. Appendix N shall be considered by AHJ but is not mandatory.

14C-4 Existing Elevators, Escalators, Dumbwaiters, Moving Walks, Material Lifts, and Dumbwaiters with Automatic Transfer Devices

Based on *Safety Code for Existing Elevators and Escalators*, ASME A17.3-2015

Purpose This chapter adopts, with modifications, national-recommended minimum safety standards for the installation of existing elevators, escalators, and similar equipment, which are based on the 1955 *Safety Code for Elevators*, which was adopted in Chicago by the early 1960s.

Highlights

- Provides specific criteria for evaluating the safety of existing installations
- Devices constructed or modernized after the early 1960s comply based on requirements in effect at time of installation
- Few if any devices will be required to install additional features, and these installations would likely be found unsafe under current open-ended standard
- Adopting clear requirements provides more certainty for building owners and facilitates uniformity in third party inspections

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1 General	18-30-160	Adopt without modification

2 Hoistways and related construction for electric elevators	18-30-170	Adopt with modification to reflect Chicago-specific requirements for signage
3 Machinery and equipment for electric elevators	18-30-180	Adopt with modification to reflect Chicago-specific requirements for firefighters' emergency operation
4 Hydraulic elevators	18-30-190	Adopt without modification
5 Escalators	18-30-200	Adopt without modification
6 Dumbwaiters	18-30-210	Adopt without modification
7 Hand elevators	18-30-220	Adopt without modification
8 Sidewalk elevators	18-30-230	Adopt without modification
9 Moving walks	18-30-240	Adopt without modification
10 Private residence elevators	18-30-250	Adopt without modification
11 Appendices	18-30-260	Adopt without modification

14C-5 Alternative Performance-Based Requirements for Elevators and Escalators

Based on *Performance-Based Safety Code for Elevators and Escalators*, ASME A17.7-2007

Purpose This chapter clarifies requirements for using the alternative performance-based criteria for innovative elevator and escalator technology.

Highlights

- Clarifies procedure for use of performance-based certification through Committee on Standards and Tests

Section-by-Section Comparison

Model Code	Equivalent CBC Provision(s)	Recommendation
ASME A17.7	18-30-010	Adopt without modification, subject to review and approval of certificate of conformance by Committee on Standards and Tests

14C-6 Platform Lifts and Stairway Chairlifts

Based on *Safety Standard for Platform Lifts and Stairway Chairlifts*, ASME A18.1-2014

Purpose This chapter updates existing requirements for platform lifts and stairway chairlifts.

Highlights

- Adopts latest national standard.
- Retains Chicago-specific requirements for inspection of installations in private residences.

Section-by-Section Comparison

Model Code	Equivalent CBC Provision(s)	Recommendation
ASME A18.1	18-30-380	Adopt with minor modification.

14C-7 Automotive Lifts

Based on Chapter 18-32, Municipal Code of Chicago

Purpose This chapter contains existing Chicago-specific requirements for automobile lifts, adopted in 2005

Highlights

- Retain existing language with minor revisions for clarity
- Update reference to latest national standard

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
n/a	Ch. 18-32	Update existing Chicago-specific language.

14C-8 Stage and Orchestra Lifts

Based on Chapter 18-31, Art. II, Municipal Code of Chicago

Purpose This chapter contains existing Chicago-specific requirements for stage and orchestra lifts, adopted in 2009

Highlights

- Retain existing Chicago-specific requirements for movable stages and orchestra lifts.
- No widely-adopted national consensus standard is available, although one is in development and may be considered for adoption in the future

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
n/a	18-31-010, -015	Update existing Chicago-specific language.

14C-9 Permanent Window Washer Power-Operated Platforms

Based on Chapter 18-31, Art. III, Municipal Code of Chicago

Purpose This chapter contains existing Chicago-specific requirements for permanent window washer power-operated platforms

Highlights

- Retain and streamline existing Chicago-specific requirements for permanent window washer power-operated platforms
- No widely-adopted national consensus standard is available for this type of equipment

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
n/a	18-31-020	Update existing Chicago-specific language.

14C-10 Construction and Industrial Equipment

Based on *Safety Requirements for Personnel Hoists and Employee Elevators on Construction and Demolition Sites*,

ANSI A10.4-2016
Safety Requirements for Material Hoists, ANSI A10.5-2013
Safety Standard for Belted Manlifts, ANSI A90.1-2015
Safety Standard for Conveyors and Related Equipment, ANSI B20.1-2015
Safety Requirements for Industrial Scissor Lifts, ANSI MH29.1-2012

Purpose This chapter contains specialized administrative provisions related to construction and industrial equipment.

Highlights

- Adopts latest national standards for a range of construction and industrial equipment
- Centralizes requirements which are currently scattered throughout the building code

Section-by-Section Comparison

Model Code	Equivalent CBC Provision(s)	Recommendation
ANSI A10.4	13-124-210 to -300	Adopt without modification.
ANSI A10.5	13-124-210 to -300	Adopt without modification.
ANSI A90.1	18-31-090	Adopt without modification.
ANSI B20.1	18-30-390	Adopt with minor modification.
ANSI MH29.1	new	Adopt without modification.
n/a	18-31-100	Update existing Chicago-specific language.

14C-11 Mechanical Amusement Rides

Based on Chapter 18-31, Article IV

Purpose This chapter contains existing Chicago-specific requirements for mechanical amusement riding devices

Highlights

- Retain and streamline existing Chicago-specific requirements for mechanical amusement riding devices
- Provide definition based on Illinois statutes
- No widely-adopted national consensus standard is available for this type of equipment

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
n/a	18-31-030 to -080	Update existing Chicago-specific language.

Title 14E Electrical Code (Phase 1)

This title provides practical standards to protect persons and property from hazards arising from the use of electricity, and to ensure adequate electrical capacity is provided to new and existing buildings and structures. This title also contains provisions relating to electrical signs, emergency lighting, and emergency generators.

This title is based on the *National Electrical Code*® 2017 edition, and incorporates the latest national standards for many areas of electrical technology. This title contains targeted amendments to reflect longstanding construction practices and enhanced safety requirements unique to the City of Chicago.

Title 14E was adopted by the city council September 9, 2017 (SO2017-5529) and took effect October 11, 2017. Cleanup amendments were adopted November 8, 2017 (SO2017-7061). Older requirements for electrical installations and equipment in Chapter 18-27 were repealed March 1, 2018. The electrical code was previously revised in 1999.

14E-1 General

Based on Introduction and Chapter 1, *National Electrical Code*® 2017 edition

Purpose This chapter contains general administrative provisions and definitions related to the electrical code and electrical installations.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
90 Introduction	18-27-090	Adopt with significant modifications.
100 Definitions	18-27-100	Adopt with significant modifications.
110 Requirements for Electrical Installations	18-27-110	Adopt as modified.

14E-2 Wiring and Protection

Based on Chapter 2, *National Electrical Code*® 2017 edition

Purpose This chapter provides requirements for the sizing, layout, configuration, and protection of electrical services and electrical systems.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
200 Use and Identification of Grounded Conductors	18-27-200	Adopt as modified.
210 Branch Circuits	18-27-210	Adopt with significant modifications.
215 Feeders	18-27-215	Adopt as modified.
220 Branch-Circuit, Feeder, and Service Load Calculations	18-27-220	Adopt without modification.
225 Outside Branch Circuits and Feeders	18-27-225	Adopt as modified.
230 Services	18-27-230	Adopt with significant modifications.
240 Overcurrent Protection	18-27-240	Adopt with significant modifications.
250 Grounding and Bonding	18-27-250	Adopt with significant modifications.
280 Surge Arresters, Over 1000 Volts	18-27-280	Adopt without modification.
285 Surge-Protective Devices (SPDs), 1000 Volts or Less	n/a	New. Adopt without modification.

14E-3 Wiring Methods and Materials

Based on Chapter 3, *National Electrical Code*® 2017 edition

Purpose This chapter provides general and detailed requirements for wiring methods and materials.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
300 General Requirements for Wiring Methods and Materials	18-27-300	Adopt as modified.
310 Conductors for General Wiring	18-27-310	Adopt as modified.
312 Cabinets, Cutout Boxes, and Meter Socket Enclosures	18-27-373	Adopt without modification.
314 Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Handhole Enclosures	18-27-370	Adopt without modification.
320 Armored Cable: Type AC	18-27-333	Adopt as modified.
322 Flat Cable Assemblies: Type FC	n/a	Do not adopt.
324 Flat Conductor Cable: Type FCC	18-27-328	Adopt without modification.
326 Integrated Gas Spacer Cable: Type IGS	n/a	Do not adopt.
328 Medium Voltage Cable: Type MV	18-27-326	Adopt without modification.
330 Metal-Clad Cable: Type MC	18-27-334	Adopt as modified.
332 Mineral-Insulated, Metal-Sheathed Cable: Type MI	18-27-330	Adopt without modification.
334 Nonmetallic-Sheathed Cable: Types NM, NMC, and NMS	18-27-336	Adopt as modified.
336 Power and Control Tray Cable: Type TC	18-27-340	Adopt as modified.
338 Service-Entrance Cable: Types SE and USE	18-27-338	Adopt as modified.
340 Underground Feeder and Branch-Circuit Cable: Type UF	18-27-339	Adopt as modified.
342 Intermediate Metal Conduit: Type IMC	18-27-345	Adopt without modification.
344 Rigid Metal Conduit: Type RMC	18-27-346	Adopt without modification.
348 Flexible Metal Conduit:	18-27-349	Adopt as modified.

Type FMC		
350 Liquidtight Flexible Metal Conduit: Type LFMC	18-27-351	Adopt as modified.
352 Rigid Polyvinyl Chloride Conduit: Type PVC	18-27-347	Adopt as modified.
353 High Density Polyethylene Conduit: Type HDPE Conduit	n/a	New. Adopt without modification.
354 Nonmetallic Underground Conduit with Conductors: Type NUCC	18-27-343	Adopt without modification.
355 Reinforced Thermosetting Resin Conduit: Type RTRC	n/a	New. Adopt as modified.
356 Liquidtight Flexible Nonmetallic Conduit: Type LFNC	n/a	Do not adopt.
358 Electrical Metallic Tubing: Type EMT	18-27-348	Adopt as modified.
360 Flexible Metallic Tubing: Type FMT	18-27-349	Adopt as modified.
362 Electrical Nonmetallic Tubing: Type ENT	n/a	Do not adopt.
366 Auxiliary Gutters	18-27-374	Adopt with significant modifications.
368 Busways	18-27-364	Adopt as modified.
370 Cablebus	18-27-365	Adopt without modification.
372 Cellular Concrete Floor Raceways	n/a	Do not adopt.
374 Cellular Metal Floor Raceways	18-27-356	Adopt without modification.
376 Metal Wireways	18-27-362	Adopt as modified.
378 Nonmetallic Wireways	n/a	Do not adopt.
380 Multioutlet Assembly	18-27-353	Adopt as modified.
382 Nonmetallic Extensions	n/a	Do not adopt.
384 Strut-Type Channel Raceway	n/a	New. Adopt as modified.
386 Surface Metal Raceways	18-27-352	Adopt as modified.
388 Surface Nonmetallic Raceways	n/a	Do not adopt.
390 Underfloor Raceways	18-27-354	Adopt without modification.
392 Cable Trays	18-27-318	Adopt as modified.
393 Low-Voltage Suspended	n/a	Do not adopt.

Ceiling Power Distribution Systems		
394 Concealed Knob-and-Tube Wiring	18-27-324	Adopt without modification.
396 Messenger-Supported Wiring	18-27-321	Adopt without modification.
398 Open Wiring on Insulators	n/a	Do not adopt.
399 Outdoor Overhead Conductors over 1000 Volts	n/a	New. Adopt without modification.

14E-4 Equipment for General Use

Based on Chapter 4, *National Electrical Code*® 2017 edition

Purpose This chapter provides requirements applicable to electrical equipment for general use, such as wiring, switches, light fixtures (luminaires), and motors.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
400 Flexible Cords and Flexible Cables	18-27-400	Adopt without modification.
402 Fixture Wires	18-27-402	Adopt without modification.
404 Switches	18-27-380	Adopt as modified.
406 Receptacles, Cord Connectors, and Attachment Plugs (Caps)	18-27-410	Adopt as modified.
408 Switchboards, Switchgear, and Panelboards	18-27-384	Adopt as modified.
409 Industrial Control Panels	n/a	New. Adopt without modification.
410 Luminaires, Lampholders, and Lamps	18-27-410	Adopt as modified.
411 Low-Voltage Lighting	18-27-411	Adopt as modified.
422 Appliances	18-27-422	Adopt without modification.
424 Fixed Electric Space-Heating Equipment	18-27-424	Adopt without modification.
425 Fixed Resistance and Electrode Industrial Process Heating Equipment	n/a	Adopt without modification.
426 Fixed Outdoor Electric Deicing and Snow-Melting Equipment	18-27-426	Adopt without modification.

427 Fixed Electric Heating Equipment for Pipelines and Vessels	18-27-427	Adopt without modification.
430 Motors, Motor Circuits, and Controllers	18-27-430	Adopt without modification.
440 Air-Conditioning and Refrigerating Equipment	18-27-440	Adopt without modification.
445 Generators	18-27-445	Adopt without modification.
450 Transformers and Transformer Vaults (Including Secondary Ties)	18-27-450	Adopt as modified.
455 Phase Converters	18-27-455	Adopt without modification.
460 Capacitors	18-27-460	Adopt without modification.
470 Resistors and Reactors	18-27-470	Adopt without modification.
480 Storage Batteries	18-27-480	Adopt without modification.
490 Equipment Over 1000 Volts, Nominal	18-27-490	Adopt without modification.

14E-5 Special Occupancies

Based on Chapter 5, *National Electrical Code*® 2017 edition

Purpose This chapter provides electrical requirements applicable to special occupancies, such as hazardous facilities, certain specialized industrial facilities, and mobile or temporary buildings and structures. The provisions of this chapter may supplement or modify general requirements found in other chapters.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
500 Hazardous (Classified) Locations, Classes I, II, and III, Divisions 1 and 2	18-27-500	Adopt without modification.
501 Class I Locations	18-27-501	Adopt as modified.
502 Class II Locations	18-27-502	Adopt as modified.
503 Class III Locations	18-27-503	Adopt as modified.
504 Intrinsically Safe Systems	18-27-504	Adopt without modification.
505 Zone 0, 1, and 2 Locations	n/a	New. Adopt without modification.
506 Zone 20, 21, and 22 Locations for Combustible Dusts or Ignitible Fibers/Flyings	n/a	New. Adopt as modified.
510 Hazardous (Classified)	18-27-510	Adopt without modification.

Locations - Specific		
511 Commercial Garages, Repair and Storage	18-27-511	Adopt as modified.
513 Aircraft Hangars	18-27-513	Adopt as modified.
514 Motor Fuel Dispensing Facilities	18-27-514	Adopt as modified.
515 Bulk Storage Plants	18-27-515	Adopt as modified.
516 Spray Application, Dipping, Coating, and Printing Processes Using Flammable or Combustible Materials	18-27-516	Adopt as modified.
517 Health Care Facilities	18-27-517	Adopt with significant modifications.
518 Assembly Occupancies	18-27-518	Adopt as modified.
520 Theaters, Audience Areas of Motion Picture and Television Studios, Performance Areas, and Similar Locations	18-27-520	Adopt as modified.
522 Control Systems for Permanent Amusement Attractions	n/a	New. Adopt without modification.
525 Carnivals, Circuses, Fairs, and Similar Events	18-27-525	Adopt without modification.
530 Motion Picture and Television Studios and Similar Locations	18-27-530	Adopt as modified.
540 Motion Picture Projection Rooms	18-27-540	Adopt without modification.
545 Manufactured Buildings	18-27-545	Replace with Chicago-drafted provision.
547 Agricultural Buildings	18-27-547	Adopt as modified.
550 Mobile Homes, Manufactured Homes, and Mobile Home Parks	18-27-550	Adopt as modified.
551 Recreational Vehicles and Recreational Vehicle Parks	18-27-551	Adopt without modification.
552 Park Trailers	18-27-552	Adopt as modified.
553 Floating Buildings	18-27-553	Adopt as modified.
555 Marinas, Boatyards, and Commercial and Noncommercial Docking Facilities	18-27-555	Adopt without modification.
n/a	18-27-560 (Residential	Chicago-drafted provision.

	Occupancies)	
n/a	18-27-570 (Requirements for Existing Dwelling-Type Occupancies Not Exceeding Four Stories in Height)	Chicago-drafted provision.
590 Temporary Installations	18-27-305	Adopt as modified.

14E-6 Special Equipment

Based on Chapter 6, *National Electrical Code*® 2017 edition

Purpose This chapter provides electrical requirements applicable to special equipment such as electric signs, electrified office furnishings, elevators, swimming pool equipment, solar photovoltaic panels, and fire pumps. The provisions of this chapter may supplement or modify general requirements found in other chapters.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
600 Electric Signs and Outline Lighting	18-27-600	Adopt with significant modifications.
604 Manufactured Wiring Systems	n/a	Do not adopt.
605 Office Furnishings	18-27-605	Adopt with significant modifications.
610 Cranes and Hoists	18-27-610	Adopt as modified.
620 Elevators, Dumbwaiters, Escalators, Moving Walks, Platform Lifts, and Stairway Chairlifts	18-27-620	Adopt as modified.
625 Electric Vehicle Charging System	18-27-625	Adopt without modification.
626 Electrified Truck Parking Spaces	n/a	New. Adopt without modification.
630 Electric Welders	18-27-630	Adopt without modification.
640 Audio Signal Processing, Amplification, and Reproduction Equipment	18-27-640	Adopt as modified.
645 Information Technology Equipment	18-27-645	Adopt as modified.
646 Modular Data Centers	n/a	Do not adopt.
647 Sensitive Electronic Equipment	n/a	New. Adopt without modification.
650 Pipe Organs	18-27-650	Adopt without modification.
660 X-Ray Equipment	18-27-660	Adopt without modification.
665 Induction and Dielectric	18-27-665	Adopt without modification.

Heating Equipment		
668 Electrolytic Cells	18-27-668	Adopt without modification.
669 Electroplating	18-27-669	Adopt without modification.
670 Industrial Machinery	18-27-670	Adopt without modification.
675 Electrically Driven or Controlled Irrigation Machines	18-27-675	Adopt without modification.
680 Swimming Pools, Fountains, and Similar Installations	18-27-680	Adopt as modified.
682 Natural and Artificially Made Bodies of Water	n/a	New. Adopt without modification.
685 Integrated Electrical Systems	18-27-685	Adopt without modification.
690 Solar Photovoltaic (PV) Systems	18-27-690	Adopt as modified.
691 Large-Scale Photovoltaic (PV) Electric Power Production Facility	n/a	New. Adopt without modification.
692 Fuel Cell Systems	n/a	New. Adopt without modification.
694 Wind Electric Systems	n/a	New. Adopt without modification.
695 Fire Pumps	18-27-695	Adopt with significant modifications.

14E-7 Special Conditions

Based on Chapter 7, *National Electrical Code*® 2017 edition

Purpose This chapter provides electrical requirements applicable to special conditions, such as emergency lighting systems, emergency generators, fire-resistive cable, fire alarm systems, and fiber optic cable. The provisions of this chapter may supplement or modify general requirements found in other chapters.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
700 Emergency Systems	18-27-700	Replace with Chicago-drafted provision.
701 Legally Required Standby Systems	18-27-701	Adopt with significant modifications.
702 Optional Standby Systems	18-27-702	Adopt without modification.
705 Interconnected Electric Power Production Sources	18-27-705	Adopt without modification.
706 Energy Storage Systems	n/a	New. Adopt without modification.
708 Critical Operations	n/a	New. Adopt without modification.

Power Systems (COPS)		
710 Stand-Alone Systems	n/a	New. Adopt without modification.
712 Direct Current Microgrids	n/a	New. Adopt without modification.
720 Circuits and Equipment Operating at Less Than 50 Volts	18-27-720	Adopt without modification.
725 Class 1, Class 2, and Class 3 Remote-Control, Signaling, and Power-Limited Circuits	18-27-725	Adopt with significant modifications.
727 Instrumentation Tray Cable: Type ITC	18-27-727	Adopt without modification.
728 Fire-Resistive Cable Systems	n/a	New. Adopt without modification.
750 Energy Management Systems	n/a	New. Adopt without modification.
760 Fire Alarm Systems	18-27-760	Adopt with significant modifications.
770 Optical Fiber Cables	18-27-770	Adopt as modified.

14E-8 Communication Systems

Based on Chapter 8, *National Electrical Code*® 2017 edition

Purpose This chapter provides electrical requirements related to communications systems independent of the requirements found in Chapters 2 through 7.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
800 Communications Circuits	18-27-800	Adopt with significant modifications.
810 Radio and Television Equipment	18-27-810	Adopt without modification.
820 Community Antenna Television and Radio Distribution Systems	18-27-820	Adopt with significant modifications.
830 Network-Powered Broadband Communications Systems	18-27-830	Adopt with significant modifications.
840 Premises-Powered Broadband Communications Systems	n/a	New. Adopt as modified.

14E-9 Tables

Based on Chapter 9, *National Electrical Code*® 2017 edition

Purpose This chapter provides tables which support specific provisions of Chapters 1 through 8.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Table 1	18-27-900	Adopt as modified.
Table 2	n/a	New. Adopt without modification.
Table 4	18-27-900	Adopt without modification.
Table 5 and 5A	18-27-900	Adopt without modification.
Table 8	18-27-900	Adopt without modification.
Table 9	18-27-900	Adopt without modification.
Table 10	n/a	Adopt without modification.
Table 11(A) and 11(B)	18-27-900	Adopt without modification.
Table 12(A) and 12(B)	18-27-900	Adopt without modification.

14E-10 Informative Annexes

Based on Informative Annexes, *National Electrical Code*® 2017 edition

Purpose The informative annexes provide non-mandatory information and examples to aid in application of the code. The annexes are not enforceable, but are included for information purposes only.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Informative Annex A Product Safety Standards	18-27 Appendix A	Adopt without modification.
Informative Annex B Application Information for Ampacity Calculation	n/a	New. Adopt without modification.
Informative Annex C Conduit and Tubing Fill Tables for Conductors and Fixture Wires of the Same Size	18-27 Appendix C	Replace with Chicago-drafted provision.
Informative Annex D Examples	18-27 Appendix D	Adopt without modification.
Informative Annex E Types of Construction	n/a	Do not adopt.
Informative Annex F Availability and Reliability for Critical Operations Power Systems; and Development	n/a	New. Adopt without modification.

and Implementation of Functional Performance Tests (FPTs) for Critical Operations Power Systems		
Informative Annex G Supervisory Control and Data Acquisition (SCADA)	n/a	New. Adopt without modification.
Informative Annex H Administration and Enforcement	n/a	Do not adopt.
Informative Annex I Recommended Tightening Torque Tables from UL Standard 486A-B	n/a	New. Adopt without modification.
Informative Annex J ADA Standards for Accessible Design	n/a	Do not adopt. Does not align with outdated accessibility standards in CBC.

Title 14F Fire Prevention Code (Phase 2B)

This title will provide minimum requirements to safeguard the health, safety, and welfare of the public and occupants with respect to specialized occupancies and operations that present unusual hazards, in particular heightened risks of fire or explosion.

This title will be based on portions of the *International Fire Code*® 2018 edition. Unlike the *IFC*, this title will not repeat provisions related to building construction requirements found in the *International Building Code*®; only provisions which relate to the ongoing operation and maintenance of such systems will appear in this title. Provisions from the *IFC* which establish minimum requirements for existing buildings (Chapter 11) will be considered for adoption as part of Title 14R.

NOTE: To allow adequate time for review of the complex technical provisions for hazardous materials, it is anticipated that Phase 2B will advance to ordinance-introduction in late 2019.

14F-1 Scope and Administration

DoB/CFD

Based on Chapter 1, *International Fire Code*® 2018 edition

Purpose This chapter will contain administrative provisions unique to the application of Title F (fire safety). The majority of administrative provisions, which will apply to all construction codes, will be located in Title A.

Highlights
- Provisions related to the authority and administration of the Chicago Fire Department will remain in Chapter 2-36 (reorganized 2016).
- Licensing requirements administered by the fire prevention bureau will remain in Chapter 15-4.
- Most administrative provisions, which apply to all types of work, will be in Title 14A

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
101 Scope and General Requirements	Chs. 2-36, 15-4	Modified IFC
102 Applicability	Chs. 2-36, 15-4	Modified IFC
103 Department of Fire Prevention	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
104 General Authority and Responsibilities	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
105 Permits	Chs. 2-36, 15-4	Do not adopt. See Title 14A.
106 Inspections	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
107 Maintenance	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
108 Board of Appeals	Chs. 2-36, 15-4	Do not adopt. See Title 14A.
109 Violations	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
110 Unsafe Buildings	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
111 Stop Work Order	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
112 Service Utilities	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.
113 Fees	Chs. 2-36, 15-4	Do not adopt. See Chapter 2-36 and Title 14A.

14F-2 Definitions

DoB/CFD

Based on Chapter 2, *International Fire Code*® 2018 edition

Purpose This chapter will define terms unique to Title 14F and will cross-reference relevant definitions adopted in Title 14B.

Highlights
- Chapter will state clearly what specific terms mean for purpose of Title 14W
- Chapter will cross-reference relevant definitions it Title 14B

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
201 General		Substantially equivalent
202 General Definitions	13-4; 15-4-005	Hybrid IFC-CBC

14F-3 General Requirements

DoB/CFD

Based on Chapter 3, *International Fire Code*® 2018 edition

Purpose This chapter provides general requirements for certain uses and building features where there is a heightened risk of fire, such as combustible material storage and portable outdoor fireplaces. These requirements are intended to improve premises safety for everyone, including construction workers, tenants, operations and maintenance personnel, and first responders.

Highlights
- Incorporate updated operational safety requirements for activities which create a heightened risk of fire or similar hazard
- Adopt consensus safety standards for common equipment and devices, such as portable fireplaces and commercial laundry carts
- Adopt maintenance standards to prevent rooftop gardens from creating fire hazards

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
301 General		Substantially equivalent
302 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
303 Asphalt Kettles	15-28-270	New from IFC
304 Combustible Waste Material	13-196-460; 15-4-880; 15-4-970	Substantially equivalent
305 Ignition Sources	15-4-950 to -960	Replace CBC with IFC
306 Motion Picture Projection Rooms and Film	Ch. 15-28, various	Replace CBC with IFC

307 Open Burning, Recreational Fires and Portable Outdoor Fireplaces	11-4-740	Hybrid IFC-CBC
308 Open Flames		Hybrid IFC-CBC
309 Powered Industrial Trucks and Equipment		New from IFC
310 Smoking	15-4-930 to -940	Hybrid IFC-CBC
311 Vacant Premises	13-12-135	Do not adopt IFC – see Title 14X
312 Vehicle Impact Protection		New from IFC
313 Fueled Equipment		New from IFC
314 Indoor Displays	15-4-900	Replace CBC with IFC
315 General Storage	15-4-900	Modified IFC
316 Hazards to Fire Fighters		New from IFC
317 Rooftop Gardens and Landscaped Roofs		New from IFC
318 Laundry Carts		New from IFC
319 Mobile Food Preparation Vehicles	CFD regulations (authority?)	Do not adopt IFC.

14F-4 Emergency Planning and Preparedness

DoB/CFD

Based on Chapter 4, *International Fire Code*® 2018 edition

Purpose This chapter addresses the human contribution to life safety in buildings when a fire or other emergency occurs. The requirements for continuous training and scheduled drills can be as important as inspections and maintenance of built-in fire protection features. The level of preparation by occupants also improves emergency responders' abilities during an emergency.

Highlights
- Retain Chicago's substantive requirements for emergency preparedness and planning.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
401 General	Ch. 13-78; 15-4-101, 15-4-910 to -920	Retain CBC substance.
402 Definitions	" "	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
403 Emergency Preparedness Requirements	" "	Retain CBC substance.
404 Fire Safety, Evacuation and Lockdown Plans	" "	Retain CBC substance.

405 Emergency Evacuation Drills	" "	Retain CBC substance.
406 Employee Training and Response Procedures	" "	Retain CBC substance.
407 Hazard Communication	" "	Retain CBC substance.

14F-5 Fire Service Features

DoB/CFD

Based on Chapter 5, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that apply to all buildings and occupancies and pertain to roads, access to building openings and roofs, premises identification, key boxes, fire protection water supplies, fire command centers, fire department access to equipment, and emergency responder radio coverage in buildings.

Highlights
- Do not duplicate provisions which appear in 14B.
- Retain CBC substantive requirements for key boxes and fire protection water supplies.
- Adopt new requirements from IFC to ensure equipment rooms are clearly labeled and emergency responder radio systems have adequate coverage within new buildings

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
501 General		Retain CBC
502 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
503 Fire Apparatus Access Roads		Do not adopt IFC. (No equivalent in CBC except frontage increases to building area (13-48-090))
504 Access to Building Openings and Roofs		Do not adopt IFC. See 14B-1011.12.
505 Premises Identification	10-4-090 to -120	Do not adopt IFC. See 14B-502.
506 Key Boxes		Retain CBC substance.
507 Fire Protection Water Supplies		Retain CBC substance.
508 Fire Command Center	13-76-030	Do not adopt IFC. See 14B-911.
509 Fire Protection and Utility Equipment Identification and Access		New from IFC
510 Emergency Responder Radio Coverage		New from IFC ?

14F-6 [Reserved]

Based on Chapter 6, *International Fire Code*® 2018 edition

NOTE: Provisions of this chapter from the model code regarding maintenance of existing building equipment or features may be incorporated into Chapter 14X-10.

14F-7 [Reserved]

Based on Chapter 7, *International Fire Code*® 2018 edition

NOTE: Provisions of this chapter from the model code regarding maintenance of existing building equipment or features may be incorporated into Chapter 14X-10.

14F-8 Decorative Materials and Furnishings

DoB/CFD

Based on Chapter 8, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements for ~~interior finishes~~, decorative materials, and furnishings in new and existing buildings so that they do not significantly add to or create fire hazards. The provisions tend to focus on occupancies with specific risk characteristics, such as vulnerability of occupants, density of occupants, lack of familiarity with the building, and societal expectations of importance.

Highlights
- Do not duplicate provisions which appear in 14B or 14X.
- Adopt standards to prevent decorations and furnishing from creating unreasonable hazards in new and existing occupancies.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
801 General		Modified IFC
802 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
803 Interior Wall and Ceiling Finish and Trim in Existing Buildings		Do not adopt IFC.
804 Interior Wall and Ceiling Trim and Interior Floor Finish in New and Existing Buildings		Do not adopt IFC.
805 Upholstered Furniture and Mattresses in New and Existing Buildings	15-4-580 to -620 (stage decorations)	New from IFC
806 Natural Decorative Vegetation in New and Existing Buildings	15-4-580 to -620 (stage decorations)	New from IFC

807 Decorative Materials and Artificial Decorative Vegetation in New and Existing Buildings	15-4-580 to -620 (stage decorations)	New from IFC
808 Furnishings Other than Upholstered Furniture and Mattresses or Decorative Materials in New and Existing Buildings	15-4-580 to -620 (stage decorations)	New from IFC

14F-9 Inspection and Maintenance of Fire Protection and Life Safety Systems

DoB/CFD

Based on Chapter 9, *International Fire Code*® 2018 edition

Purpose This chapter will contain periodic testing criteria for active fire protection equipment systems.

Highlights
- Do not duplicate provisions which appear in 14B.
- Establishes standards and requirements for periodic testing and maintenance of fire protection and life safety systems.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
901 General		Hybrid IFC-CBC re inspections and maintenance only.
902 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
903 Automatic Sprinkler Systems		Hybrid IFC-CBC re inspections and maintenance only.
904 Alternative Automatic Fire-extinguishing Systems		Hybrid IFC-CBC re inspections and maintenance only.
905 Standpipe Systems		Hybrid IFC-CBC re inspections and maintenance only.
906 Portable Fire Extinguishers		Hybrid IFC-CBC re inspections and maintenance only.
907 Fire Alarm and Detection Systems		Hybrid IFC-CBC re inspections and maintenance only.
908 Emergency Alarm Systems		Hybrid IFC-CBC re inspections and maintenance only.
909 Smoke Control Systems		Hybrid IFC-CBC re inspections and maintenance only.
910 Smoke and Heat Removal		Hybrid IFC-CBC re inspections and maintenance only.
911 Explosion Control		Hybrid IFC-CBC re inspections and maintenance only.
912 Fire Department Connections		Hybrid IFC-CBC re inspections and maintenance only.

913 Fire Pumps		Hybrid IFC-CBC re inspections and maintenance only.
914 Fire Protection Based on Special Detailed Requirements of Use and Occupancy		Do not adopt IFC. Duplicative of IBC.
915 Carbon Monoxide Detection		Hybrid IFC-CBC re inspections and maintenance only.
916 Gas Detection Systems		Hybrid IFC-CBC re inspections and maintenance only.
917 Mas Notification Systems		Do not adopt IFC.

14F-10 [Reserved]

Based on Chapter 10, *International Fire Code*® 2018 edition

NOTE: This chapter in the model code is repetitive of the IBC and not recommended for adoption. Maintenance of the means of egress (IFC-1031) will be addressed in Title 14X.

14F-11 [Reserved]

Based on Chapter 11, *International Fire Code*® 2018 edition

NOTE: Provisions of this chapter from the model code may be incorporated into Title 14X.

14F-12 Energy Systems

Fire

Based on Chapter 12, *International Fire Code*® 2018 edition

Purpose This chapter provides safety requirements for a wide range of systems to generate or store energy in, on, or adjacent to buildings and facilities. The wider adoption of such systems is related to meeting today's energy, environmental, and economic demands. Ensuring appropriate criteria for addressing the safety of such systems in building and fire codes is an important part of protecting the public at large, building occupants, and emergency responders. More specifically, this chapter addressed standby and emergency power, photovoltaic systems, fuel cell energy systems, battery storage systems, and capacitor energy storage.

Highlights
- Consistent with updated electrical code provisions adopted in Phase 1.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1201 General		New from IFC
1202 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.

1203 Emergency and Standby Power Systems	14E-7-700	Do not adopt IFC
1204 Solar Photovoltaic Power Systems		New from IFC
1205 Stationary Fuel Cell Power Systems		New from IFC
1206 Electrical Energy Storage Systems		New from IFC

14F-20 Aviation Facilities

Fire

Based on Chapter 20, *International Fire Code*® 2018 edition

Purpose This chapter specifies minimum requirements for the fire-safe operation of airports, heliports, and helistops. The principal non-flight operational hazards associated with aviation involve fuel, facilities and operations. Therefore, safe use and storage of flammable and combustible liquids during fueling and maintenance operations is emphasized. Availability of portable Class B:C-rated fire extinguishers for prompt control or suppression of incipient fires is required.

Highlights
- Consistent with standards customarily referenced by Committee on Standards and Tests with respect to aviation facilities.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2001 General	Ch. 13-108, art. II	
2002 Definitions	Ch. 13-108, art. II	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2003 General Precautions	Ch. 13-108, art. II	
2004 Aircraft Maintenance	Ch. 13-108, art. II	
2005 Portable Fire Extinguishers	Ch. 13-108, art. II	
2006 Aircraft Fueling	Ch. 13-108, art. II	
2007 Helistops and Heliports	Ch. 13-108, art. II	

14F-21 Dry Cleaning

Fire

Based on Chapter 21, *International Fire Code*® 2018 edition

Purpose This chapter provides provisions that are intended to reduce hazards associated with use of

flammable and combustible dry cleaning solvents.

Highlights
- Reflects changes in industry standard dry cleaning processes/chemicals since 1975.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2101 General	Ch. 15-24, art. IX	
2102 Definitions	Ch. 15-24, art. IX	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2103 Classifications	Ch. 15-24, art. IX	
2104 General Requirements	Ch. 15-24, art. IX	
2105 Operating Requirements	Ch. 15-24, art. IX	
2106 Spotting and Pretreating	Ch. 15-24, art. IX	
2107 Dry Cleaning Systems	Ch. 15-24, art. IX	
2108 Fire Protection	Ch. 15-24, art. IX	

14F-22 Combustible Dust-Producing Operations

Fire

Based on Chapter 22, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that seek to reduce the likelihood of dust explosions by managing the hazards of ignitable suspensions of combustible dusts associated with a variety of operations including woodworking, mining, food processing, agricultural commodity storage and handling, and pharmaceutical manufacturing, among others. Ignition source control and good housekeeping in occupancies containing dust-producing operations are emphasized.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2201 General	Ch. 15-28, art. XX	
2202 Definition	Ch. 15-28, art. XX	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2203 Precautions	Ch. 15-28, art. XX	
2204 Explosion Protection	Ch. 15-28, art. XX	

14F-23 Motor Fuel-Dispensing Facilities and Repair Garages

Fire

Based on Chapter 23, *International Fire Code*® 2018 edition

Purpose This chapter sets forth regulations for motor-fuel dispensing stations and repair garages. It addresses both liquid and gaseous motor fuels associated with automotive, marine, aircraft and fleet vehicle motor-fuel dispensing facilities. The repair garage provisions specifically address hazards associated with the different types of fuel used, including flammable and combustible liquids, hydrogen, LPG, LNG, and CNG.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2301 General	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2302 Definitions	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2303 Location of Dispensing Devices	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2304 Dispensing Operations	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2305 Operational Requirements	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2306 Flammable and Combustible Liquid Motor Fuel-dispensing Facilities	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2307 Liquefied Petroleum Gas Motor Fuel-dispensing Facilities	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2308 Compressed Natural Gas Motor Fuel-dispensing Facilities	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2309 Hydrogen Motor Fuel-dispensing and Generation Facilities	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2310 Marine Motor Fuel-dispensing Facilities	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	
2311 Repair Garages	Ch. 13-96, art. XIV; Ch. 13-108, art. I; Ch. 15-24	

14F-24 Flammable Finishes

Fire

Based on Chapter 24, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that govern operations where flammable or combustible finishes are applied by spraying, dipping, powder coating or flow-coating processes. As with all operations involving flammable or combustible liquids and combustible dusts or vapors, controlling ignition sources and methods of reducing or controlling flammable vapors or combustible dusts at or near these operations is emphasized.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2401 General	Ch. 15-24, various	
2402 Definitions	Ch. 15-24, various	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2403 Protection of Operations	Ch. 15-24, various	
2404 Spray Finishing	Ch. 15-24, various	
2405 Dipping Operations	Ch. 15-24, various	
2406 Powder Coating	Ch. 15-24, various	
2407 Electrostatic Apparatus	Ch. 15-24, various	
2408 Organic Peroxides and Dual-component Coatings	Ch. 15-24, various	
2409 Indoor Manufacturing of Reinforced Plastics	Ch. 15-24, various	
2410 Floor Surfacing and Finishing Operations	Ch. 15-24, various	

14F-25 Fruit and Crop Ripening

Fire

Based on Chapter 25, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that are intended to reduce the likelihood of explosions resulting from improper use or handling of ethylene gas used for crop ripening and coloring processes.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2501 General		
2502 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2503 Ethylene Gas		
2504 Sources of Ignition		
2505 Combustible Waste		
2506 Ethylene Generators		

14F-26 Fumigation and Insecticidal Fogging

Fire

Based on Chapter 26, *International Fire Code*® 2018 edition

Purpose This chapter regulates fumigation and insecticidal fogging operations that use toxic pesticide chemicals to kill insects, rodents, and other vermin. Requirements of this chapter are intended to protect both the public and emergency responders from hazards associated with these products.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2601 General	Ch. 7-44	
2602 Definitions	Ch. 7-44	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2603 Fire Safety Requirements	Ch. 7-44	

14F-27 Semiconductor Fabrication Facilities

Fire

Based on Chapter 27, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that are intended to control hazards associated with the manufacture of electrical circuit boards or microchips, commonly called semiconductors.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2701 General		

2702 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2703 General Safety Provisions		
2704 Storage		
2705 Use and Handling		

14F-28 Lumber Yards and Agro-Industrial, Solid Biomass and Woodworking Facilities

Fire

Based on Chapter 28, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that are intended to prevent fires and explosions, facilitate the control of, and reduce exposures to and from facilities storing, selling or processing wood and forest products.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2801 General		
2802 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2803 General Requirements		
2804 Fire Protection		
2805 Plywood, Veneer and Composite Board Mills		
2806 Log Storage Areas		
2807 Storage of Wood Chips and Hogged Material Associated with Timber and Lumber Production Facilities		
2808 Storage and Processing of Wood Chips, Hogged Material, Fines, Compost, Solid Biomass Feedstock and Raw Product Associated with Yard Waste, Agro-industrial and Recycling Facilities		
2809 Exterior Storage of Finished Lumber and Solid Biofuel Products		

14F-29 Manufacture of Organic Coatings

Fire

Based on Chapter 29, *International Fire Code*® 2018 edition

Purpose This chapter regulates materials and processes associated with the manufacture of paints as well as bituminous, asphaltic, and other compounds formulated to protect buildings, machines and objects from the effects of weather. Painting and processes related to the manufacture of non-combustible and non-flammable water-based products is exempt from these requirements.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
2901 General	Ch. 15-24	
2902 Definition	Ch. 15-24	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
2903 General Precautions	Ch. 15-24	
2904 Electrical Equipment and Protection	Ch. 15-24	
2905 Process Structures	Ch. 15-24	
2906 Process Mills and Kettles	Ch. 15-24	
2907 Process Piping	Ch. 15-24	
2908 Raw Materials in Process Areas	Ch. 15-24	
2909 Raw Materials and Finished Products	Ch. 15-24	

14F-30 Industrial Ovens

Fire

Based on Chapter 30, *International Fire Code*® 2018 edition

Purpose This chapter addresses the fuel supply, ventilation, emergency shutdown equipment, fire protection, and the operation and maintenance of industrial ovens, which are sometimes referred to as industrial heat enclosures or industrial furnaces.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3001 General	Ch. 15-24, art. VIII; 15-28-710	
3002 Definitions	Ch. 15-24, art. VIII	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3003 Location	Ch. 15-24, art. VIII	
3004 Fuel Piping	Ch. 15-24, art. VIII	
3005 Interlocks	Ch. 15-24, art. VIII	
3006 Fire Protection	Ch. 15-24, art. VIII	
3007 Operation and Maintenance	Ch. 15-24, art. VIII	

14F-31 Tents, Temporary Special Event Structures, and Other Membrane Structures

Planning **Fire**

Based on Chapter 31, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that are intended to protect temporary as well as permanent tents and air-supported and other membrane structures and temporary stage special event structures from fire and similar hazards. The provisions regulate structure location and access, anchorage, egress, heat-producing equipment, hazardous materials and operations, combustible vegetation, ignition sources, and waste accumulation. This chapter also regulates outdoor assembly events, which are not limited to those events with tents or temporary structures and which are regulated due to the number and density of people present.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3101 General	Ch. 13-96, art. XIII	Hybrid IFC-CBC
3102 Definitions	Ch. 13-96, art. XIII	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3103 Temporary Tents and Membrane Structures	Ch. 13-96, art. XIII	Hybrid IFC-CBC
3104 Temporary and Permanent Tents and Membrane Structures	Ch. 13-96, art. XIII	Hybrid IFC-CBC
3105 Temporary Special Event Structures	Ch. 13-96, art. XIII	Hybrid IFC-CBC
3106 Outdoor Assembly Events	Ch. 13-96, art. XIII	Hybrid IFC-CBC
3107 Operational Requirements	Ch. 13-96, art. XIII	Hybrid IFC-CBC

14F-32 High-Piled Combustible Storage

Fire

Based on Chapter 32, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements for reasonable protection of life from hazards associated with the storage of combustible material in closely-packed piles or on pallets, in racks or on shelves where the top of storage is greater than 12 feet in height, or 6 feet for high-hazard commodities.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3201 General		New from IFC
3202 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3203 Commodity Classification		New from IFC
3204 Designation of High-piled Storage Areas		New from IFC
3205 Housekeeping and Maintenance		New from IFC
3206 General Fire Protection and Life Safety Features		New from IFC
3207 Solid-piled and Shelf Storage	15-4-252	New from IFC
3208 Rack Storage		New from IFC
3209 Automated Storage		New from IFC
3210 Specialty Storage		New from IFC

14F-33 Fire Safety During Construction and Demolition

Based on Chapter 33, *International Fire Code*® 2018 edition

NOTE: To the extent adopted, the requirements of this chapter will be incorporated into Chapter 14B-33.

14F-34 Tire Rebuilding and Tire Storage

Fire

Based on Chapter 34, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that are intended to prevent or control fires and explosions associated with the remanufacture and storage of tires and tire by-products.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3401 General		New from IFC
3402 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3403 Tire Rebuilding		New from IFC
3404 Precautions against Fire		New from IFC
3405 Outdoor Storage		New from IFC
3406 Fire Department Access		New from IFC
3407 Fencing		New from IFC
3408 Fire Protection	15-16-240	Hybrid IFC-CBC
3409 Indoor Storage Arrangement		New from IFC

14F-35 Welding and Other Hot Work

Fire

Based on Chapter 35, *International Fire Code*® 2018 edition

Purpose This chapter covers requirements for safety in welding and other types of hot work by reducing the potential for fire ignitions that usually result in large losses.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3501 General		
3502 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3503 General Requirements		
3504 Fire Safety Requirements		
3505 Gas Welding and		

Cutting		
3506 Electric Arc Hot Work		
3507 Calcium Carbide Systems		
3508 Acetylene Generators	Ch. 15-26, art. IV	
3509 Piping Manifolds and Hose Systems for Fuel Gases and Oxygen	Ch. 15-26, art. VI	
3510 Hot Work on Flammable and Combustible Liquid Storage Tanks	15-26-500	

14F-36 Marinas

Fire

Based on Chapter 36, *International Fire Code*® 2018 edition

Purpose This chapter addresses the fire protection and prevention requirements for marinas. The model code was developed in response to the complications encountered by a number of fire departments responsible for the protection of marinas, as well as fire loss history in marinas that lacked protection.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3601 Scope		
3602 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3603 General Precautions		
3604 Fire Protection Equipment		
3605 Marine Motor Fuel-dispensing Facilities		

14F-37 Combustible Fibers

Fire

Based on Chapter 37, *International Fire Code*® 2018 edition

Purpose This chapter establishes the requirements for storage and handling of combustible fibers, including animal, vegetable and synthetic fibers, whether woven into textiles, baled, packaged or loose. The

primary hazard associated with these operations is the abundance of materials and their ready combustibility.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3701 General	Ch. 15-28, art. XII	
3702 Definitions	Ch. 15-28, art. XII	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3703 General Precautions	Ch. 15-28, art. XII	
3704 Loose Fiber Storage	Ch. 15-28, art. XII	
3705 Baled Storage	Ch. 15-28, art. XII	

14F-38 Higher Education Laboratories

Fire

Based on Chapter 38, *International Fire Code*® 2018 edition

Purpose This chapter addresses the unique needs of laboratories in higher education institutions. This chapter addresses both new and existing buildings and laboratories.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3801 General		
3802 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3803 General Safety Provisions		
3804 Laboratory Suite Construction		
3805 Nonsprinklered Laboratories		
3806 Existing Sprinklered Laboratories		

14F-39 Processing and Extraction Facilities

Fire

Based on Chapter 39, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements for facilities focused on the processing and extraction of oils and fats from various plants.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
3901 General		
3902 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
3903 Processing and Extraction		
3904 Systems and Equipment		
3905 Safety Systems		

14F-50 Hazardous Materials – General Provisions

Fire

Based on Chapter 50, *International Fire Code*® 2018 edition

Purpose This chapter contains the general requirements for all hazardous materials in all occupancies. Hazardous materials are defined as materials that pose an unreasonable risk to the health and safety of operating or emergency personnel, the public, and the environment if not properly controlled during handling, storage, manufacture, processing, packaging, use, disposal or transportation. The general provisions of this chapter are intended to be companion provisions to the specific requirements of the following chapters regarding specific materials.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5001 General	Ch. 15-28, art. II	
5002 Definitions	Ch. 15-28, art. II	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5003 General Requirements	Ch. 15-28, art. II	
5004 Storage	Ch. 15-28, art. II	
5005 Use, Dispensing and Handling	Ch. 15-28, art. II	

14F-51 Aerosols

Fire

Based on Chapter 51, *International Fire Code*® 2018 edition

Purpose This chapter contains requirements for the prevention, control and extinguishment of fires in facilities where retail aerosol products are displayed or stored.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5101 General	15-26-770 to -790	
5102 Definitions	15-26-770 to -790	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5103 Classification of Aerosol Products	15-26-770 to -790	
5104 Inside Storage of Aerosol Products	15-26-770 to -790	
5105 Outside Storage	15-26-770 to -790	
5106 Retail Display	15-26-770 to -790	
5107 Manufacturing Facilities	15-26-770 to -790	

14F-53 Compressed Gases

Fire

Based on Chapter 53, *International Fire Code*® 2018 edition

Purpose This chapter regulates the storage, use and handling of all flammable and non-flammable compressed gasses, such as those that are used in medical facilities, air separation plants, industrial plants, agricultural equipment, and similar occupancies. Also, this chapter regulates inert gasses, such as CO_2, which are considered asphyxiants and in larger quantities can pose a life safety hazard.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5301 General	Ch. 15-26	
5302 Definitions	Ch. 15-26	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5303 General Requirements	Ch. 15-26	

5304 Storage of Compressed Gases	Ch. 15-26	
5305 Use and Handling of Compressed Gases	Ch. 15-26	
5306 Medical Gases	Ch. 15-26	
5307 Compressed Gases Not Otherwise Regulated	Ch. 15-26	

14F-54 Corrosive Materials

Fire

Based on Chapter 54, *International Fire Code*® 2018 edition

Purpose This chapter addresses the hazards of corrosive materials that have a destructive effect on living tissues. Though corrosive gasses exist, most corrosive materials are solids or liquids and are classified as acids or bases (alkalis). These materials may pose a wide range of hazards other that corrosivity, such as combustibility, reactivity or oxidizing hazards, and must comply with all relevant chapters with respect to all of the known hazards.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5401 General	Ch. 15-28, art. X	
5402 Definition	Ch. 15-28, art. X	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5403 General Requirements	Ch. 15-28, art. X	
5404 Storage	Ch. 15-28, art. X	
5405 Use	Ch. 15-28, art. X	

14F-55 Cryogenic Fluids

Fire

Based on Chapter 55, *International Fire Code*® 2018 edition

Purpose This chapter regulates the hazards associated with the storage, use and handling of cryogenic fluids through regulation of such things as pressure-relief mechanisms and proper container storage.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation

5501 General		
5502 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5503 General Requirements		
5504 Storage		
5505 Use and Handling		

14F-56 Explosives and Fireworks

Fire

Based on Chapter 56, *International Fire Code*® 2018 edition

Purpose This chapter prescribes minimum requirements for the safe manufacture, storage, handling, and use of explosives, ammunition, and blasting agents for commercial and industrial occupancies. These provisions are intended to protect the general public, emergency responders, and individuals who handle explosives. It also regulates the manufacturing, retail sale, public display and wholesale distribution of fireworks.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5601 General	Ch. 15-20	
5602 Definitions	Ch. 15-20	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5603 Record Keeping and Reporting	Ch. 15-20	
5604 Explosive Materials Storage and Handling	Ch. 15-20	
5605 Manufacture, Assembly and Testing of Explosives, Explosive Materials and Fireworks	Ch. 15-20	
5606 Small Arms Ammunition and Small Arms Ammunition Components	Ch. 15-20	
5607 Blasting	Ch. 15-20	
5608 Fireworks Display	Ch. 15-20	
5609 Temporary Storage of Consumer Fireworks	Ch. 15-20	

14F-57 Flammable and Combustible Liquids

Fire

Based on Chapter 57, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements that are intended to reduce the likelihood of fires involving the storage, handling, use or transportation of flammable and combustible liquids.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5701 General	Ch. 15-24	
5702 Definitions	Ch. 15-24	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5703 General Requirements	Ch. 15-24	
5704 Storage	Ch. 15-24	
5705 Dispensing, Use, Mixing and Handling	Ch. 15-24	
5706 Special Operations	Ch. 15-24	

14F-58 Flammable Gases and Flammable Cryogenic Fluids

Fire

Based on Chapter 58, *International Fire Code*® 2018 edition

Purpose This chapter sets requirements for the storage and use of flammable gasses, including limits on the quantities of flammable gasses per control area.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5801 General	Ch. 15-26	
5802 Definitions	Ch. 15-26	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5803 General Requirements	Ch. 15-26	
5804 Storage	Ch. 15-26	
5805 Use	Ch. 15-26	
5806 Flammable Cryogenic Fluids		

5807 Metal Hydride Storage Systems		
5808 Hydrogen Fuel Gas Rooms		

14F-59 Flammable Solids

Fire

Based on Chapter 59, *International Fire Code*® 2018 edition

Purpose This chapter addresses general requirements for storage and handling of flammable solids, especially magnesium.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
5901 General	Ch. 15-28	
5902 Definitions	Ch. 15-28	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
5903 General Requirements	Ch. 15-28	
5904 Storage	Ch. 15-28	
5905 Use	Ch. 15-28	
5906 Magnesium	Ch. 15-28	

14F-60 Highly Toxic and Toxic Materials

Fire

Based on Chapter 60, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements to protect occupants, emergency responders and those in the immediate area of the building and facility from short-term, acute hazards associated with a release of, or general exposure to, toxic and highly toxic materials.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6001 General	Ch. 15-28, art. IX	
6002 Definitions	Ch. 15-28, art. IX	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.

6003 Highly Toxic and Toxic Solids and Liquids	Ch. 15-28, art. IX	
6004 Highly Toxic and Toxic Compressed Gases	Ch. 15-28, art. IX	
6005 Ozone Gas Generators	Ch. 15-28, art. IX	

14F-61 Liquefied Petroleum Gases

Fire

Based on Chapter 61, *International Fire Code*® 2018 edition

Purpose This chapter provides requirements for the safe handling, storage and use of LP-gas to reduce the possibility of damage to containers, accidental releases of LP-gas, and exposure of flammable concentrations of LP-gas to ignition sources.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6101 General	Ch. 15-26, art. V	
6102 Definitions	Ch. 15-26, art. V	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6103 Installation of Equipment	Ch. 15-26, art. V	
6104 Location of LP-gas Containers	Ch. 15-26, art. V	
6105 Prohibited Use of LP-gas	Ch. 15-26, art. V	
6106 Dispensing and Overfilling	Ch. 15-26, art. V	
6107 Safety Precautions and Devices	Ch. 15-26, art. V	
6108 Fire Protection	Ch. 15-26, art. V	
6109 Storage of Portable LP-gas Containers Awaiting Use or Resale	Ch. 15-26, art. V	
6110 LP-gas Containers Not in Service	Ch. 15-26, art. V	
6111 Parking and Garaging of LP-gas Tank Vehicles	Ch. 15-26, art. V	

14F-62 Organic Peroxides

Fire

Based on Chapter 62, *International Fire Code*® 2018 edition

Purpose This chapter addresses the hazards associated with the industrial-scale storage, handling and use of organic peroxides and is intended to manage the fire and oxidation hazards of organic peroxides by preventing their uncontrolled release.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6201 General	Ch. 15-28, art. VII	
6202 Definition	Ch. 15-28, art. VII	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6203 General Requirements	Ch. 15-28, art. VII	
6204 Storage	Ch. 15-28, art. VII	
6205 Use	Ch. 15-28, art. VII	

14F-63 Oxidizers, Oxidizing Gases and Oxidizing Cryogenic Fluids

Fire

Based on Chapter 63, *International Fire Code*® 2018 edition

Purpose This chapter addresses the hazards associated with solid, liquid, gaseous, and cryogenic fluid oxidizing materials, including oxygen in home use, and establishes criteria for their safe storage and protection in indoor and outdoor storage facilities, minimizing the possibility for uncontrolled releases and contact with fuel sources.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6301 General	Ch. 15-28, art. III	
6302 Definitions	Ch. 15-28, art. III	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6303 General Requirements	Ch. 15-28, art. III	
6304 Storage	Ch. 15-28, art. III	
6305 Use	Ch. 15-28, art. III	
6306 Liquid Oxygen in	Ch. 15-28, art. III	

Home Health Care		

14F-64 Pyrophoric Materials

Fire

Based on Chapter 64, *International Fire Code*® 2018 edition

Purpose This chapter regulates the hazards associated with pyrophoric material, which are capable of spontaneously igniting in the air at a temperature at or below 130º F.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6401 General		
6402 Definition		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6403 General Requirements		
6404 Storage		
6405 Use		

14F-65 Pyroxylin (Cellulose Nitrate) Plastics

Fire

Based on Chapter 65, *International Fire Code*® 2018 edition

Purpose This chapter addresses the significant hazards associated with pyroxylin plastics, which are the most dangerous and unstable of all plastic compounds.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6501 General	Ch. 15-28, arts. XVII-XVIII	
6502 Definitions	Ch. 15-28, arts. XVII-XVIII	Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6503 General Requirements	Ch. 15-28, arts. XVII-XVIII	
6504 Storage and Handling	Ch. 15-28, arts. XVII-XVIII	

14F-66 Unstable (Reactive) Materials

Fire

Based on Chapter 66, *International Fire Code*® 2018 edition

Purpose This chapter addresses the hazards of unstable (reactive) liquid and solid materials, as well as unstable (reactive) compressed gasses.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6601 General		
6602 Definitions		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6603 General Requirements		
6604 Storage		
6605 Use		

14F-67 Water-Reactive Solids and Liquids

Fire

Based on Chapter 67, *International Fire Code*® 2018 edition

Purpose This chapter addresses the hazards associated with water-reactive materials that are solid or liquid at normal temperatures and pressures.

Highlights

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
6701 General		
6702 Definition		Do not adopt IFC. Consistent with IBC, no cross-references to definitions. All Definitions in Ch. 2.
6703 General Requirements		
6704 Storage		
6705 Use		

14F-80 Referenced Standards

DoB **Fire**

Based on Chapter 80, *International Fire Code*® 2018 edition

Purpose This chapter contains a comprehensive list of all standards that are referenced in other chapters of Title 14F.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Referenced standards	18-36	Modified IFC

Title 14G Fuel Gas Code (Phase 3)

Title 14G (for consideration in 2019-20) will update requirements related to fuel gas (primarily natural gas) installations based on the *International Fuel Gas Code*® 2018 edition.

Chicago currently enforces requirements based on Chapter 4 of the 2000 edition, with minor modifications. (18-28-1401)

Potential Chapters

G-1 Scope and Administration
G-2 Definitions
G-3 General Regulations
G-4 Gas Piping Installations
G-5 Chimneys and Vents
G-6 Specific Appliances
G-7 Gaseous Hydrogen Systems
G-8 Referenced Standards

Title 14M Mechanical Code (Phase 3)

Title 14M (for consideration in 2019-20) will update requirements related to heating, cooling, and mechanical installations based on the *International Mechanical Code*® 2018 edition.

Chicago currently enforces requirements based on the 2000 edition, with significant modifications. (Chapter 18-28)

Potential Chapters

M-1 Scope and Administration
M-2 Definitions
M-3 General Regulations
M-4 Ventilation
M-5 Exhaust Systems
M-6 Duct Systems
M-7 Combustion Air
M-8 Chimneys and Vents
M-9 Specific Appliances, Fireplaces and Solid Fuel-Burning Equipment
M-10 Boilers, Water Heaters and Pressure Vessels
M-11 Refrigeration
M-12 Hydronic Piping
M-13 Fuel Oil Piping and Storage
M-14 Solar Systems
M-15 Referenced Standards

Title 14N Energy Conservation Code (Phase 3)

Title 14N (for consideration in 2019-20) will update requirements related to energy conservation in new and existing commercial and residential buildings based on the *International Energy Conservation Code*® 2018 edition as adopted by the State of Illinois.

Pursuant to the Energy Efficient Building Act, 20 ILCS 3125/1 *et seq.*, the Capital Development Board must adopt regulations which incorporate the 2018 edition no later than August 31, 2018 (one year after publication) and these regulations will take effect and must be enforced by all municipalities which enforce energy conservation requirements within 6 months of adoption (March 1, 2019).

Chicago currently enforces requirements based on 2015 edition, with minor modifications. (Chapter 18-13)

Because of significant coordination with issues addressed in the Mechanical Code, the Energy Conservation Code is scheduled for consideration as part of Phase 3.

Potential Chapters

N-1 Scope and Principles
N-3 Adoption of Illinois Energy Conservation Code – Commercial Provisions
N-4 Adoption of Illinois Energy Conservation Code – Residential Provisions
N-5 Energy Benchmarking

Title 14P Plumbing Code (Phase 3)

Title 14P (for consideration in 2019-20) will update requirements related to plumbing installations.

Chicago currently enforces requirements based on the pre-2014 Illinois Plumbing Code, and *International Plumbing Code*® 2000 edition, with significant modifications. (Chapter 18-29)

Potential Chapters

P-1 Scope and Administration
P-2 Definitions
P-3 General Regulations
P-4 Fixtures, Faucets and Fixture Fittings
P-5 Water Heaters
P-6 Water Supply and Distribution
P-7 Sanitary Drainage
P-8 Indirect/Special Waste
P-9 Vents
P-10 Traps, Interceptors and Separators
P-11 Storm Drainage
P-12 Special Piping and Storage Systems
P-13 Nonpotable Water Systems
P-14 Subsurface Landscape Irrigation Systems
P-15 Referenced Standards

Title 14R Rehabilitation Code

Title 14R will provide a comprehensive framework for the evaluation of work in existing buildings (rehabilitation), designed to promote the use and reuse of existing buildings while also gradually increasing the safety of existing building stock undergoing change of use or major renovation.

Title 14R will be based on the *International Existing Building Code*® 2018 edition. The model code provides greater clarity on requirements applicable to repairs and minor alterations, and a wider range of options to ensure safety in major renovations and change of use projects, including both prescriptive and performance-based options. Title 14R will update and expand upon the flexibility provided by the Chicago Rehabilitation Code (Chapter 13-200), adopted in 1982.

14R-1 Scope and Administration

DoB

Based on Chapter 1, *International Existing Building Code*® 2018 edition

Purpose This chapter will contain administrative provisions unique to the application of Title W (work in existing buildings or the "rehab code").

Highlights

- Majority of administrative provisions, which will apply to all construction codes, will be located in Title 14A
- Incorporate statement of purpose from 13-200-010 and -020

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
101 General	13-200-010	Adopt IEBC.
102 Applicability	13-200-030	Adopt IEBC.
103 Department of Building Safety	n/a	Do not adopt. Address in 14A.
104 Duties and Powers of Code Official	n/a	Do not adopt. Address in 14A.
105 Permits	n/a	Do not adopt. Address in 14A.
106 Construction Documents	n/a	Do not adopt. Address in 14A.
107 Temporary Structures and Uses	n/a	Do not adopt. Address in 14A.
108 Fees	n/a	Do not adopt. Address in 14A.
109 Inspections	n/a	Do not adopt. Address in 14A.
110 Certificate of Occupancy	n/a	Do not adopt. Address in 14A.
111 Service Utilities	n/a	Do not adopt. Address in 14A.
112 Board of Appeals	n/a	Do not adopt. Address in 14A.
113 Violations	n/a	Do not adopt. Address in 14A.
114 Stop Work Order	n/a	Do not adopt. Address in 14A.
115 Unsafe Buildings and Equipment	n/a	Do not adopt. Address in 14A.
116 Emergency Measures	n/a	Do not adopt. Address in 14A.
117 Demolition	n/a	Do not adopt. Address in 14A.

14R-2 Definitions

DoB **Existing**

Based on Chapter 2, *International Existing Building Code*® 2018 edition

Purpose This chapter will define terms unique to Title 14W and will cross-reference relevant definitions adopted in Title 14B.

Highlights

- Chapter will state clearly what specific terms mean for purpose of Title 14W
- Chapter will cross-reference relevant definitions it Title 14B

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
201 General	none	Modified IEBC.
202 General Definitions	Ch. 13-4	Modified IEBC.

14R-3 Provisions For All Compliance Methods

Structure **Existing** SmallRes

Based on Chapter 3, *International Existing Building Code*® 2018 edition

Purpose This chapter explains the three compliance options for alterations and additions available in this title. In addition, this chapter lays out methods for seismic design and evaluation of existing buildings to be used in relation to work in existing buildings.

Highlights

- Adopting I-Code classification of work (repairs, 3 levels of alterations, additions) will be consistent with Illinois energy conservation code
- Working groups to advise on practicality of adopting seismic requirements
- Requirements for accessibility in existing buildings to be determined in consultation with MOPD and based on developments with Illinois Accessibility Code

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
301 Administration		New from IEBC, consistent with Ch. 18-13
302 General Provisions	13-200-300	Adopt IEBC
303 Structural Design Loads and Evaluation and Design Procedures	13-196-040; Ch. 13-52	Modified IEBC
304 In-situ Load Tests	13-52-060	Adopt IEBC
305 Accessibility for Existing Buildings	13-200-400 through -430 (obsolete); 18-11-1117 and -1118	Confer with MOPD
306 Reroofing		From IBC 1511; replaces 14W-705 (applies to all methods)

14R-4 Repairs

Existing SmallRes

Based on Chapter 4, *International Existing Building Code*® 2018 edition

Purpose This chapter provides requirements for the repair of existing buildings. The provisions define conditions under which repairs may be made using materials and methods like those of the original construction or the extent to which repairs must comply with the requirements for new buildings.

Highlights

- Providing clear and straightforward requirements for repairs, which are defined as "the reconstruction, replacement or renewal of any part of an existing building for the purpose of its maintenance or to correct damage," will facilitate the repair and reuse of existing buildings

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
401 General		Adopt IEBC
402 Building Elements and Materials	13-200-300	Adopt IEBC
403 Fire Protection	13-200-300	Adopt IEBC
404 Means of Egress	13-200-330 through -350	Adopt IEBC
405 Structural	13-196-040; Ch. 13-52l 13-200-140	Adopt IEBC
406 Electrical	13-200-480	Adopt IEBC
407 Mechanical	13-200-370, -380	Hybrid IEBC and CBC
408 Plumbing	13-200-460	Adopt IEBC

14R-5 Prescriptive Compliance Method

Structure **Existing** SmallRes

Based on Chapter 5, *International Existing Building Code*® 2018 edition

Purpose This chapter provides details for the prescriptive compliance method – one of the three main options for compliance available for buildings and structures undergoing alteration, addition, or change of occupancy.

Highlights

- The prescriptive compliance method provides straightforward requirements appropriate for routine alterations in existing buildings
- The prescriptive compliance method is most similar to existing Chapter 13-200

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
501 General		Adopt IEBC

502 Additions	13-200-250	Adopt IEBC
503 Alterations	13-200-260 to -360	Adopt IEBC
504 Fire Escapes	13-200-340 and -350	Adopt requirements in Ch. 3 (all compliance methods)
506 Windows and Emergency Escape Openings	13-200-280, -380	Hybrid IEBC and CBC (do not adopt EEO)
507 Change of Occupancy	13-200-120 to -200	Adopt IEBC
508 Historic Buildings	13-200-100, -110	Hybrid IEBC and CBC

14R-6 Classification of Work

Existing SmallRes

Based on Chapter 6, *International Existing Building Code*® 2018 edition

Purpose This chapter provides an overview of the "work area" method available as an option for rehabilitation of a building. The chapter defines the different classifications of alterations and provides general requirements for alterations, change of occupancy, additions, historic buildings, and relocated buildings. Detailed requirements are in subsequent chapters.

Highlights

- Providing for requirements which increase based on the scope of work being done balances providing flexibility to building owners with ensuring building safety is gradually increased over time
- Adoption of this method will better align with requirements in the Illinois Energy Conservation Code
- Greater flexibility is provided for historic buildings, which is broadly defined

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
501 General		New from IEBC
502 Repairs		New from IEBC
503 Alteration—Level 1		New from IEBC
504 Alteration—Level 2		New from IEBC
505 Alteration—Level 3		New from IEBC
506 Change of Occupancy		New from IEBC
507 Additions		New from IEBC
508 Historic Buildings		New from IEBC
509 Relocated Buildings		New from IEBC

14R-7 Alterations - Level 1

Existing SmallRes

Based on Chapter 7, *International Existing Building Code*® 2018 edition

Purpose This chapter provides the technical requirements for those existing buildings undergoing Level 1 alterations, which include: replacement or covering of existing materials, elements, equipment or fixtures using new materials for the same purpose. In contrast, Level 2 and Level 3 alterations (addressed in the next chapters) involve space reconfiguration affecting increasing areas of the existing building.

Highlights

- Only requires maintaining existing level of fire protection
- Only requires maintaining existing means of egress
- Provisions on reroofing will provide clarity to contractors, homeowners and insurance companies, consistent with requirements enforced elsewhere
- May need to add provisions on replacement of existing rooftop decks

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
701 General		Adopt IEBC
702 Building Elements and Materials		Adopt IEBC
703 Fire Protection		Adopt IEBC
704 Means of Egress		Adopt IEBC
705 Reroofing	Commissioner's memo	Adopt requirements in Ch. 3 (all compliance methods)
706 Structural		Adopt IEBC
707 Energy Conservation		Adopt IEBC

14R-8 Alterations - Level 2

Structure **Existing** SmallRes

Based on Chapter 8, *International Existing Building Code*® 2018 edition

Purpose Like the previous chapter, the purpose of this chapter is to provide detailed requirements and provisions to identify required improvements in existing building elements, building spaces, and building structural systems when a building is being altered. Level 2 alterations involve space reconfiguration, up to 50 of the existing building area. Depending on the nature of alteration work, its location within the building, and whether it encompasses one or more tenants, improvements and upgrades could be required for the open floor penetrations, sprinkler system, or the installation of additional means of egress.

Highlights

- This will not require installation of a sprinkler system in an existing building undergoing rehab unless the existing water service is sufficient without installation of a fire pump (which

will be very rare)
- Existing buildings may need to install more extensive fire alarm or smoke detection systems in place of sprinklers
- More detailed provisions for when and what electrical, mechanical, and plumbing upgrades are required

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
801 General		Adopt IEBC
802 Building Elements and Materials		Adopt IEBC
803 Fire Protection		Modified IEBC
804 Carbon Monoxide Detection		Adopt IEBC
805 Means of Egress	13-160-630	Hybrid IEBC - CBC
806 Structural		Modified IEBC
807 Electrical		Adopt IEBC
808 Mechanical		Adopt IEBC
809 Plumbing		Modified IEBC
810 Energy Conservation		Adopt IEBC

14R-9 Alterations - Level 3

Structure **Existing** SmallRes

Based on Chapter 9, *International Existing Building Code*® 2018 edition

Purpose This chapter provides the technical requirements for when alterations involve space reconfiguration affecting more than 50% of an existing building. Depending on the nature of alteration work, its location within the building, and whether it encompasses one or more tenants, improvements and upgrades could be required for the open floor penetrations, sprinkler system, or the installation of additional means of egress. In some cases, this chapter will require life-safety improvements be made throughout the entire building.

Highlights
- This will not require installation of a sprinkler system in an existing building undergoing rehab unless the existing water service is sufficient with or without a fire pump (which will be rare)
- Existing buildings may need to install more extensive fire alarm or smoke detection systems in place of sprinklers
- Buildings may be required to upgrade fire separations for hazardous areas, exits or exit signage
- More detailed provisions for when and what electrical, mechanical, and plumbing upgrades are required

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
901 General		Adopt IEBC
902 Special Use and Occupancy		Adopt IEBC
903 Building Elements and Materials		Adopt IEBC
904 Fire Protection		Adopt IEBC
905 Means of Egress		Adopt IEBC
906 Accessibility		Adopt IEBC
907 Structural		Adopt IEBC
908 Energy Conservation		Adopt IEBC

14R-10 Change of Occupancy

Existing

Based on Chapter 10, *International Existing Building Code*® 2018 edition

Purpose This chapter provides regulations which apply when a building undergoes a change of occupancy. The definition of change of occupancy encompasses three different events: a change in occupancy classification (from A-3 to B), a change of group within an occupancy classification (from A-3 to A-2), and a change of use within the same occupancy and group (for example, a library to a dance hall, which are both A-3). A project may be subject to both the requirements for change of occupancy and requirements for alterations, depending on the scope of work.

Highlights

- This more refined approach of classifying hazards will be new to Chicago and is more nuanced that the hazard index approach in 13-200-120 through -240.
- The language of the model code in this area requires refinement as it will likely be applied frequently

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1001 General	13-200-120	Adopt IEBC
1002 Special Use and Occupancy	n/a	Modified IEBC
1003 Building Elements and Materials	13-200-180, -190, -200	Modified IEBC
1004 Fire Protection	13-200-180, -190, -200	Modified IEBC
1005 Means of Egress	13-200-180, -190, -200	Modified IEBC
1006 Structural	13-200-140	Modified IEBC
1007 Electrical	13-200-470, -480	Modified IEBC
1008 Mechanical	13-200-390	Modified IEBC

1009 Plumbing	13-200-460	Modified IEBC
1010 Other Requirements	13-200-380	Modified IEBC
1011 Change of Occupancy Classification	13-200-120 through -240.	Hybrid IEBC-CBC

14R-11 Additions

Structure **Existing** **SmallRes**

Based on Chapter 11, *International Existing Building Code*® 2018 edition

Purpose This chapter provides requirements for additions, which correlate to the code requirements for new construction, with specific exceptions listed in this chapter.

Highlights

- Retains existing flexibility for small additions from Ch. 13-200
- Clarifies structural requirements applicable to additions
- In residential and institutional buildings with unseparated additions, hardwired smoke and carbon monoxide alarms would be required throughout

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1101 General	13-200-250	Adopt IEBC
1102 Heights and Areas	13-200-250, -270	Modified IEBC
1103 Structural	13-200-250	Adopt IEBC
1104 Smoke Alarms in Occupancy Groups R and I-1	13-64-151	Adopt IEBC
1105 Carbon Monoxide Alarms in Groups I-1, I-2, I-3 and R	13-64-230	Adopt IEBC
1106 Energy Conservation	Ch. 18-13	Adopt IEBC

14R-12 Historic Buildings

Existing **SmallRes**

Based on Chapter 12, *International Existing Building Code*® 2018 edition

Purpose This chapter provides some exceptions from code requirements when the building in question has historic value, as accredited by a federal, state, or local authority. Considerations taken into account by this chapter include structural condition, proposed use, impact on life safety, and how the intent of the code, if not the letter, will be achieved.

Highlights

- Detailed provisions provide greater flexibility to address and retain, where appropriate, existing non-conforming conditions in historic buildings.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1201 General	13-200-100, -110	Adopt IEBC
1202 Repairs	13-200-100, -110	Adopt IEBC
1203 Fire Safety	13-200-100, -110	Modified IEBC
1204 Change of Occupancy	13-200-100, -110	Adopt IEBC
1205 Structural	13-200-140	Adopt IEBC
1206 Relocated Buildings	13-200-450	Adopt IEBC

14R-13 Performance Compliance Methods

Fire | Existing

Based on Chapter 13, *International Existing Building Code*® 2018 edition

Purpose This chapter allows existing buildings to be evaluated so as to show that alterations, while not meeting new construction requirements, will improve the current existing situation using a numerical scoring system involving 19 safety parameters.

Highlights

- Similar to scoring system used in life-safety evaluation program for existing residential and historic high-rise buildings
- Appropriate for projects of mid- to large-scale and/or significant complexity
- Will require different approach to plan review for projects using this compliance path, similar to review process for LSEs, which may require a specialized review program or fee structure

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
1301 General	Similar to LSE rules	New from IEBC

14R-14 Relocated or Moved Buildings

Existing | SmallRes

Based on Chapter 14, *International Existing Building Code*® 2018 edition

Purpose This chapter provides basic requirements for relocated or moved buildings, including buildings that are designed for relocation, such as certain large-scale tents.

Highlights

- Provides structural and fire-separation criteria for relocating an existing building
- Provides framework for approval and inspection of relocatable buildings, such as certain tents

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation

1401 General	13-200-450	Adopt IEBC
1402 Requirements	13-200-450	Adopt IEBC

14R-15 Construction Safeguards

Based on Chapter 15, *International Existing Building Code*® 2018 edition

Purpose This chapter will cross-reference construction safety requirements in Title 14B.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
All	n/a	Do not adopt IEBC. Cross reference requirements of 14B-33.

14R-16 Referenced Standards

DoB **Existing**

Based on Chapter 16, *International Existing Building Code*® 2018 edition

Purpose This chapter will contain a comprehensive list of all standards that are referenced in other chapters of Title 14W.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Referenced Standards	Ch. 18-36	Modified IEBC

14R-20 Appendices

DoB **Existing**

Based on Appendices, *International Existing Building Code*® 2018 edition

Purpose The appendices of the IEBC are <u>not</u> recommended for adoption. Resource A will be available, consistent with existing practice under 13-200-440.

Section-by-Section Comparison

Model Code Section	Equivalent CBC Provision(s)	Recommendation
Appendix A: Guidelines for the Seismic Retrofit of Existing Buildings	n/a	Do not adopt IEBC.
Appendix B: Supplementary Accessibility Requirements for Existing Buildings and	Ch. 18-11	Do not adopt IEBC. See discussion re: 14B-11.

Facilities		
Appendix C: Guidelines for the Wind Retrofit of Existing Buildings	n/a	Do not adopt IEBC.
Resource A: Guidelines on Fire Ratings of Archaic Materials and Assemblies	13-200-440	Adopt IEBC.

Title 14S Sign Code (Phase 3)

Title 14S will reorganize and centralize administrative and technical requirements for signs not found in the Electrical Code or Zoning Ordinance.

Potential Chapters

S-1 Scope and Administration
S-2 Definitions
S-3 General Regulations
S-4 Outdoor Signs
S-5 Electrical Requirements
S-6 Referenced Standards

Title 14T Trade Licensing (Phase 3)

The Department of Buildings administers trade licenses and registrations for more than 29,000 construction industry professionals, including General Contractors, Supervising Electricians, Electrical Contractors, Plumber's Apprentices, Plumbers, Plumbing Contractors, Mason Contractors, Steam Boiler Erectors, Stationary (Boiler) Engineers, Apprentice Crane Operators, Crane Operators, Supervising Elevator Mechanics, and Elevator Mechanic Contractors.

Title 14T will update, reorganize, standardize and centralize trade licensing provisions related to building construction, maintenance, and demolition.

Potential Chapters

[Organization to be determined.]

Title 14X Minimum Requirements for Existing Buildings

This title will centralize and clarify minimum requirements to safeguard the health, safety, and welfare of the public and occupants with respect to all existing buildings. Most of Chicago's retroactive requirements are currently found in Chapter 13-196. It is anticipated that this title will retain or reduce Chicago's existing requirements.

This title will be organized based upon the *International Property Maintenance Code*® 2018 edition, and may incorporate portions of Chapter 11 of the *International Fire Code*® 2018 edition.

14X-1 Scope and Application

DoB

Based on Chapter 1, *International Property Maintenance Code*® 2018 edition

Purpose This chapter will contain administrative provisions unique to the application of Title 14X (minimum requirements for existing buildings, roughly equivalent to Chapter 13-196). The majority of administrative provisions, which will apply to all construction codes, will be located in Title A.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
101 General		
102 Responsibility		

14X-2 Definitions

DoB

Based on Chapter 2, *International Property Maintenance Code*® 2018 edition

Purpose This chapter will contain definitions unique to Title 14X. *(In publication, request that ICC reprint cross-referenced definitions for ease of use)*

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
201 General		
201 Definitions		

14X-3 Property Maintenance

DoB

Based on Chapter 13-196, Municipal Code of Chicago

Purpose This chapter will provide general requirements for maintenance of interior and exterior features of a property intended to maintain a minimum level of safety and sanitation. This chapter will also address owner/non-owner-occupant responsibilities.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
301 General		
302 Outdoor Areas		
303 Exterior Structure		
304 Interior Structure		
305 Component Serviceability		
306 Handrails and Guardrails		
307 Rubbish and Garbage		
308 Pest Elimination		

14X-4 Residential Occupancies

DoB

Based on Sections 13-196-480 through -510; Chapter 13-164, Municipal Code of Chicago

Purpose This chapter provides specialized minimum requirements for residential occupancies

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
401 General		
402 Arrangement and Minimum Dimensions		
403 Security Devices		
1004 Dwelling Unit Windows		

14X-5 Fire Safety Requirements

DoB

Based on Chapter 7, *International Property Maintenance Code*® 2018 edition
Chapter 11, *International Fire Code*® 2018 edition

Purpose This chapter establishes minimum fire safety requirements for existing structures by containing requirements for means of egress, fire protection systems, carbon monoxide detection and alarms, and outdoor operations.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
501 General		
502 Fire and Smoke Protection Features		
503 [Reserved]		
504 Fire Protection and Life Safety Systems		
505 Means of Egress		
506 Life Safety Evaluation Buildings		

14X-6 Light and Ventilation

DoB

Based on Chapters 13-172, 13-196 and 13-200, Municipal Code of Chicago

Purpose This chapter sets forth requirements to establish the minimum environment for occupiable and habitable buildings by establishing the minimum criteria for light and ventilation and establishing occupancy limitations including minimum room width and area, minimum ceiling height, and restrictions to prevent overcrowding.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
601 General		
602 Light		
603 Ventilation		

14X-7 Electrical Requirements

DoB

Based on Chapter 13-196 and Section 14E-5-570, Municipal Code of Chicago; selected provisions of IFC

Purpose This chapter establishes minimum requirements for electrical facilities serving existing structures, such as electrical services; lighting fixtures; electrical receptacle outlets; and electrical distribution equipment, devices and wiring.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
701 General		
702 Electrical System		
703 Electrical Equipment		
704 Emergency Electrical System		

14X-8 Heating, Cooling, and Mechanical Systems

DoB

Based on Chapters 13-196 and 18-28, Municipal Code of Chicago; selected provisions of IFC

Purpose This chapter establishes minimum performance requirements for heating, cooling, and mechanical facilities serving existing structures such as heating and air-conditioning equipment, appliances and their supporting systems; water heating equipment, appliances, and systems; cooking equipment and appliances; ventilation and exhaust equipment; gas and liquid fuel distribution piping and components; fireplaces and solid-fuel burning appliances; and chimneys and vents.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
801 General		
802 Heating System		
803 Cooling Equipment		
804 Mechanical Equipment		
805 Duct Systems		

14X-9 Plumbing Systems and Fixtures

DoB

Based on Chapters 13-196 and 18-29, Municipal Code of Chicago

Purpose This chapter establishes minimum sanitary and clean conditions in occupied buildings by establishing requirements for the installation, maintenance and location of plumbing systems and facilities, including the water supply system, water heating appliances, sewage disposal systems and related plumbing fixtures.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
901 General		
902 Required Fixtures		
903 Toilet Rooms		
904 Plumbing Operations and Maintenance		
905 Water System		
906 Sanitary Drainage System		
907 Storm Drainage		
908 Swimming Pools, Spas and Hot Tubs		

14X-10 Elevators and Conveyance Devices

DoB

Based on Chapters 13-196 and 18-30, Municipal Code of Chicago; selected provisions of IFC

Purpose This chapter establishes minimum performance requirements for existing conveyance devices, particularly by reference to Chapter 14C-4.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
1001 General		
1002 Elevators		

14X-12 Vacant Buildings

DoB

Based on Chapter 13-12, Municipal Code of Chicago

Purpose This chapter provides minimum requirements for maintenance, registration and security of vacant buildings.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
1001 General		

1002 Owner Registration Required	13-12-125	
1003 Owner Maintenance Required	13-12-135	
1004 Mortgagee Registration Required	13-12-126	
1005 Mortgagee Maintenance Required	13-12-126	
1006 Watchman Required	13-12-140	

14X-20 Referenced Standards

DoB

Based on

Purpose This chapter contains a comprehensive list of all standards that are referenced in other chapters of Title 14X.

Highlights

Section-by-Section Comparison

New Code Section	Equivalent CBC Provision(s)	Recommendation
Referenced Standards	Ch. 18-36	Adopt as needed.

Appendices