

ORIGINAL

CITY OF BELLEVUE, WASHINGTON

ORDINANCE NO. 5529

AN ORDINANCE repealing Sections 23.11.010, 23.11.020, 23.11.103, 23.11.104, 23.11.1095, 23.11.120, 23.11.141 and 23.11.781 of the Bellevue City Code; adopting a new Chapter 23.11.46 relating to the fire code; adopting and amending the international fire code and establishing an effective date.

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. Sections 23.11.010, 23.11.020, 23.11.103, 23.11.104, 23.11.1095, 23.11.120, 23.11.141 and 23.11.781 of the Bellevue City Code are hereby repealed.

Section 2. Chapter 23.11 of the Bellevue City Code is hereby amended as follows:

Chapter 23.11 FIRE CODE

23.11.010 Adoptions.

The International Fire Code, 2003 Edition and Appendix B and C all published by the International Code Council, as amended, added to or excepted in this chapter is adopted by reference thereto as though fully set forth herein. Not less than one copy of such code, appendix and standards, in the form in which it was adopted and suitably marked to indicate amendments, additions, deletions and exceptions as provided herein, shall be filed in the City Clerk's office and shall be available for use and examination by the public.

23.11.020 Repealed sections.

Sections 23.11.010, 23.11.020, 23.11.103, 23.11.104, 23.11.1095, 23.11.120, 23.11.141 and 23.11.781 of the Bellevue City Code are hereby repealed.

23.11.030 Amendment adoption – International Fire Code.

The following amendments, additions, deletions and exceptions to the International Fire Code, 2003 Edition are adopted and shall be applicable within the city.

23.11.040 Amendment adoption – International Fire Code.

Section 105.1.1 of the International Fire Code as adopted by this chapter is amended to read as follows:

105.1.1 Permit Fees. A fee of fifty dollars (\$50.00) shall be charged annually for each type of operational permit (as defined in International Fire Code Section 105.6).

23.11.101 International Fire Code Section 503.4 amended – Obstruction and control of fire apparatus access.

Section 503.4 of the International Fire Code as adopted by this chapter is amended to read as follows:

503.4 Obstruction of fire apparatus access roads. Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances established in Section 503.2.1 shall be maintained at all times.

503.4.1 Entrances to roads, trails or other access ways which have been closed with gates and barriers in accordance with Section 503.4.8 shall not be obstructed by parked vehicles.

503.4.2 Towing Notification. At each entrance to property where fire lanes have been designated, signs shall be posted in a clearly conspicuous location and shall clearly state that vehicles parked in fire lanes may be impounded, and the name, telephone number, and address of the towing firm where the vehicle may be redeemed.

503.4.3 Property Owner Responsible. The owner, manager or person in charge of any property upon which designated fire lanes have been established shall prevent the parking of vehicles or placement of other obstructions in such fire lanes.

503.4.4 Violation – Civil Infraction. Any person who fails to mark or maintain the marking of a designated fire lane as prescribed in this chapter or who parks a vehicle in, allows the parking of a vehicle in, obstructs or allows the obstruction of a designated fire lane commits a civil infraction to which the provisions of R.C.W. 7.80 shall apply. The penalty for parking a vehicle in, allowing the parking of a vehicle in, obstructing or allowing the obstruction of a designated fire lane shall be fifty dollars (\$50.00).

503.4.5 Impoundment. Any vehicle or object obstructing a designated fire lane, whether on public or private property, is hereby declared a hazard and may be abated without prior notification to its owner by impoundment pursuant to the applicable state law.

503.4.6 The fire chief, or his authorized designee, is authorized to take such lawful action, including impoundment or the writing and issuance of citations for civil infractions, as may be required to enforce the provisions of this section.

503.4.7 It is hereby declared a violation of this section to stop, park a vehicle or otherwise obstruct any fire station facility housing emergency response apparatus.

503.4.8 Closure of access ways. The chief is authorized to require the installation and maintenance of gates or other approved barricades across roads, trails or other access ways, not including public streets, alleys or highways.

23.11.102 .1 International Fire Code Amended

The International Fire Code is hereby amended to delete the reference to Section 1003.2.2 of the Uniform Fire Code and to include the following new section:

511.1 Building Radio Coverage. Except as otherwise provided no person shall maintain, own, erect, or construct, any building or structure or any part thereof, or cause the same to be done which fails to support adequate radio coverage for City emergency services workers, including but not limited to firefighters and police officers.

Exceptions:

1. This section shall not apply to single family residential buildings; any building constructed of wood frame; any building thirty-five (35) feet high or less; as long as none of the aforementioned buildings make primary use of metal or concrete construction or contain below grade storage or parking areas. For purposes of this section, parking structures are included in the definition of building, and stair shafts are included in the definition of all parts of a building, but elevators may be excluded.
2. Buildings constructed prior to the implementation of this section shall not be required to comply with public safety radio coverage provisions of this section. However, should exempted structures undergo renovation, restoration, or significant modification to the original structure, exemption from the provisions of this Ordinance shall not apply.

511.1.1 Adequate Radio Coverage. A minimum signal strength of three (3) micro volts available in all areas of the building when transmitted from the Regional 800 MHz. Radio System. For purposes of this section 90% building coverage is considered to be all areas of the building.

511.1.2 Minimum Signal Strength. A minimum signal strength of one-half (.5) micro volts received by the Regional 800 MHz. Radio System when transmitted from any area of the building.

511.1.3 Frequency Range. The frequency range which must be supported shall be 806 MHz to 824 MHz and 851 MHz. to 869 MHz. in all areas of the building. Measurements in-buildings for the purpose of this ordinance shall be to a portable radio with a half-wave antenna, worn on the belt. The City's Radio System Manager may designate alternate methods of measuring the signal level, which satisfy appropriate levels of public safety grade coverage.

511.1.4 Annual Testing and Proof of Compliance. Each owner shall submit at least one field test, or as determined by the Fire Code Official, whenever structural changes occur to the building that would materially change the original field performance tests by a consultant approved by the Fire Code Official. The performance test shall include at minimum a floor plan and the signal strength in various locations of the building.

511.2.2 Annual Test. Each owner shall submit on an annual basis to the Fire Code Official required test data demonstrating that adequate radio coverage level is available and maintained in all required areas of the building, or that the installed amplification system functions properly. The annual submittal shall insure that no structural changes have occurred to the building that would materially change the original field tests.

511.3 Amplification Systems Allowed. Buildings and structures which cannot support the required level of radio coverage shall be equipped with a radiating cable system and/or an internal multiple antenna system with FCC type accepted bi-directional 800 MHz amplifiers, or systems otherwise approved by the City Radio System Manager in order to achieve the required adequate radio coverage. The installed system or systems shall be capable of operating on an independent battery system for a period of at least twelve (12) hours without external power input. The battery system shall automatically charge in the presence of external power input.

511.3.1 Approval Prior to Installation. No amplification system capable of operating on frequencies used by the Regional 800 MHz. Radio System shall be installed without prior coordination and approval of the radio system licensee (The Eastside Public Safety Communications Agency) and any such system must comply any standards adopted by the King County Regional Communications Board.

511.4 Field Testing. Police and Fire Personnel shall at any time have the right to enter onto the property to conduct its own field-testing to be certain that the required level of radio coverage is present.

23.11.102.3 International Fire Code Section 102.3 amended -- Change of Use or Occupancy

Section 102.3 of the International Fire Code as adopted by this chapter is amended to read as follows:

102.3 Change of use or occupancy. The provisions of the *International Building Code* shall apply to all buildings undergoing a change of occupancy.

23.11.102.4 International Fire Code Section 102.4 amended -- Application of Building Code.

Section 102.4 of the International Fire Code as adopted by this chapter is amended to read as follows:

102.4 Application of building code. The design and construction of new structures shall comply with the *International Building Code*. Repairs, alterations and additions to existing structures shall comply with the *International Building Code*.

23.11.102.5 International Fire Code section 102.5 amended – Historic Buildings.

Section 102.5 of the International Fire Code as adopted by this chapter is amended to read as follows:

102.5 Historic buildings. The construction, alteration, repair, enlargement, restoration, relocation or movement of existing buildings or structures that are designated as historic buildings when such buildings or structures do not constitute a distinct hazard to life or property shall be in accordance with the provisions of the *International Building Code*.

23.11.102.6 International Fire Code Section 102.6 amended – Referenced codes and standards.

Section 102.6 of the International Fire Code as adopted by this chapter is amended to read as follows:

102.6 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 45. Such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference as determined or modified by the fire code official.

23.11.104.10 International Fire Code Section 104.10.1 amended – Assistance from other agencies.

Section 104.10.1 of the International Fire Code as adopted by this chapter is amended to read as follows:

104.10.1 Assistance from other agencies. Police and other enforcement agencies shall have authority to render necessary assistance in the investigation of fires or the enforcement of this code as requested by the fire code official.

23.11.104.10 International Fire Code Section 104.11.2 amended – Obstructing Operations.

104.11.2 Obstructing operations. No person shall obstruct the operations of the fire department in connection with extinguishment, investigation, or control of any fire, or actions relative to other emergencies, or disobey any lawful command of the fire chief or officer of the fire department in charge of the emergency, or any part thereof, or any lawful order of a police officer assisting the fire department.

23.11.308.3.1.2 International Fire Code Section 308.3.1.2 amended -- Flaming Food and Beverages Preparation.

Section 308.3.1.2 of the International Fire Code as adopted by this chapter is amended to read as follows:

308.3.1.2 Flaming Food and Beverages Preparation:

308.3.1.2.1 General. The preparation of flaming foods or beverages in places of assembly and drinking or dining establishments shall be in accordance with Section 308.3.1.2.

308.3.1.2.2 Dispensing. Flammable or combustible liquids used in the preparation of flaming foods or beverages shall be dispensed from one of the following:

1. A 1-ounce container or a container not exceeding 1 quart capacity with controlled-pouring device that will limit the flow to a 1-ounce serving.

308.3.1.2.3. Containers not in use. Containers shall be secured to prevent spillage when not in use.

308.3.1.2.4. Serving of flaming food. The serving of flaming foods or beverages shall be done in a safe manner and shall not create high flames. The pouring, ladling or spooning of liquids is restricted to a maximum height of 8 inches above the receiving receptacle.

308.3.1.2.5. Location. Flaming foods or beverages shall be prepared only in the immediate vicinity of the table being served. They shall not be transported or carried while burning.

308.3.1.2.6 Fire protection. The person preparing the flaming foods or beverages shall have a wet cloth immediately available for use in smothering the flames in the event of an emergency.

23.11.308.3.7 International Fire Code Section 308.3.7 amended – Group A occupancies.

Section 308.3.7 of the International Fire Code as adopted by this chapter is amended to read as follows:

308.3.7 Group A occupancies. Open-flame devices shall not be used in a Group A occupancy.

Exceptions:

1. Open-flame devices are allowed to be used in the following situations, provided approved precautions are taken to prevent ignition of a combustible material or injury to occupants:

1.1. Where necessary for ceremonial or religious purposes in accordance with Section 308.3.5.

1.2. On stages and platforms as a necessary part of a performance in accordance with Section 308.3.6.

1.3. Where candles on tables are securely supported on substantial noncombustible bases and the candle flames are protected.

2. Heat-producing equipment complying with Chapter 6 and the *International Mechanical Code*.

3. Gas lights are allowed to be used provided adequate precautions satisfactory to the fire code official are taken to prevent ignition of combustible materials.

4. Except where approved by the Fire Code Official (see also 308.3.1.2)

23.11.314.4 International Fire Code Section 314.4 amended – Vehicles.

314.4 Vehicles. Liquid- or gas-fueled vehicles, fueled equipment, boats or other motorcraft shall not be located indoors except as follows:

1. Batteries are disconnected.

2. Fuel in fuel tanks does not exceed one-quarter tank or 5 gallons (whichever is less).

3. Fuel tanks and fill openings are closed and sealed to prevent tampering.

4. Vehicles, boats or other motorcraft equipment are not fueled or defueled within the building.

23.11.508.5 International Fire Code Section 508.5 amended – Fire Hydrant Systems.

Section 508 of the International Fire Code as adopted by this chapter is amended to read as follows:

508.5 Fire hydrant systems. Fire hydrant systems shall comply with Sections 508.5.1 through 508.5.6.

508.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 150 feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall be 300 feet.
2. For Group R-3 and U occupancies equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 600 feet.

23.11.602 International Fire Code amended – Definitions.

Section 602 of the International Fire Code is hereby amended to include the following definition:

602 Definitions: Power Tap. A listed device for indoor use consisting of an attachment plug on one end of a flexible cord and two or more receptacles on the opposite end, and has overcurrent protection.

23.11.603 International Fire Code Section 603 amended.

Section 603.1.7 of the International Fire Code as adopted by this chapter is hereby amended as follows:

All references to the ICC Electrical Code are hereby replaced with: the electrical code as adopted by the City.

23.11.604 International Fire Code Sections 604.1 and 604.2.15.2 amended.:

Sections 604.1 and 604.2.15.2 of the International Fire Code as adopted by this chapter are hereby amended as follows:

All references to the ICC Electrical Code are hereby replaced with: the electrical code as adopted by the City.

23.11.605 International Fire Code Sections 605.1, 605.3, 605.4 and 605.9 amended.

Sections 605.1, 605.3, 605.4, and 605.9 of the International Fire Code as adopted by this chapter are hereby amended as follows:

All references to the ICC Electrical Code are hereby replaced with: the electrical code as adopted by the City.

23.11.606.15 International Fire Code Section 606.15 amended.

Section 606.15 of the International Fire Code as adopted by this chapter is hereby amended as follows:

All references to the ICC Electrical Code are hereby replaced with: the electrical code as adopted by the City.

23.11.803.1 International Fire Code Section 803.1 amended – General Requirements.

Section 803.1 of the International Fire Code as adopted by this chapter is amended to read as follows:

803.1 General requirements. The provisions of Sections 803.1.1 through 803.1.3 shall be applicable to all occupancies covered by Sections 803.2 through 803.7.

803.1.1 Explosive and highly flammable materials. Furnishings or decorations of an explosive or highly flammable character shall not be used.

803.1.2 Fire-retardant coatings. Fire-retardant coatings shall be maintained so as to retain the effectiveness of the treatment under service conditions encountered in actual use.

803.1.3 Obstructions. Furnishings or other objects shall not be placed to obstruct exits, access thereto, egress therefrom or visibility thereof.

803.1.4 Atrium Furnishings

803.1.4.1. Potential heat. Potential heat of combustible furnishings and decorative materials within atria shall not exceed 9,000 Btu per pound when located within an area that is more than 20 feet below ceiling-level sprinklers.

803.1.4.2. Decorative materials. Decorative material in atria shall be noncombustible, flame resistant or treated with a flame retardant.

23.11.901.7 International Fire Code Section 901.7 amended – Systems Out of Service.

Section 901.7 of the International Fire Code as adopted by this chapter is amended to read as follows:

901.7 Systems out of service. Where a fire protection system is out of service, the fire department and the fire code official shall be notified immediately and, where required by the fire code official, the building shall either be evacuated or an approved fire watch shall be provided for all occupants left unprotected by the shut down until the fire protection system has been returned to service. Where utilized, fire watches shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

23.11.903.2 International Fire Code Section 903.2 amended – Automatic Sprinklers.

Section 903.2 of the International Fire Code as adopted by this chapter is amended to read as follows:

903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in this section.

903.2.1.2 Group A-2. An automatic sprinkler system shall be provided for Group A-2 occupancies where one of the following conditions exists:

1. The fire area exceeds 5,000 square feet;
2. The fire area has an occupant load of 100 or more; or
3. The fire area is located on a floor other than the level of exit discharge.
4. Where the combined area of all Group F-1 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet.

23.11.903.4.2 International Fire Code Section 903.4.2 amended – Alarms.

Section 903.4.2 of the International Fire Code as adopted by this chapter is amended to read as follows:

903.4.2 Alarms. Approved audible and visible alarm notification appliances shall be provided for every automatic sprinkler system in accordance with Section 907 and throughout areas designated by the Fire Code Official. Sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided

on the exterior of the building in an approved location. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

Exception: With approval of the Fire Code Official, audible and visible alarm notification appliances may be omitted for approved residential sprinkler systems in 1 or 2 dwelling units if not otherwise specifically required.

International Fire Code Section 903.4.3 amended – Floor Control Valves.

Section 903.4.3 of the International Fire Code as adopted by this chapter is amended to read as follows:

903.4.3 Floor control valves. Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor.

Exception: When approved by the Fire Code Official in NFPA 13D and NFPA 13 R systems.

23.11.905.3 International Fire Code Section 905.3 amended – High Rise Building Standpipes.

A new section 905.3.7 is hereby added to the International Fire code as follows:

905.3.7 High Rise Building Standpipes. Standpipe risers shall be combination standpipe/sprinkler risers using a minimum pipe size of 6 in. One 1-½ inch hose connection shall be provided on every intermediate floor level landing in every required stairway and elsewhere as required by NFPA 14. Where pressure reduction valves (PRV) are required, each hose connection shall be provided with its own PRV as necessary. The system shall be designed to provide a minimum flow of 300 gpm at a minimum pressure of 150 psi (maximum 200 psi) at each standpipe connection, in addition to the flow and pressure requirements contained in NFPA 14.

23.11.905.8 International Fire Code Section 905.8 amended – Dry Standpipes.

Section 905.8 of the International Fire Code as adopted by this chapter is amended to read as follows:

905.8 Dry standpipes. Dry standpipes when approved by the fire code official may be installed in other than high rise buildings.

23.11.906.1 International Fire Code Section 906.1 amended – Portable Fire Extinguishers

Section 906.1 of the International Fire Code as adopted by this chapter is amended to read as follows:

906.1 Where required. Portable fire extinguishers shall be installed in the following locations.

1. In all Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.
2. Within 30 feet of commercial cooking equipment.
3. In areas where flammable or combustible liquids are stored, used or dispensed.
4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 1415.1.
5. Where required by the sections indicated in Table 906.1.
6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the fire code official.

23.11.1404.5 International Fire Code Section 1404.5 amended -- Fire Watch

Section 1404.5 of the International Fire Code as adopted by this chapter is amended to read as follows:

1404.5 Fire watch. When required by the fire code official for building construction or demolition that is hazardous in nature, qualified personnel shall be provided to serve as an on-site fire watch. Fire watch personnel shall be provided with at least one approved means for notification of the fire department and their sole duty shall be to perform constant patrols and watch for the occurrence of fire.

Section 3. Section 23.11.102 of the Bellevue City Code is hereby amended to read as follows:

Fire Sprinkler Threshold Amendment – Amend BCC Section 23.11.102 to read:

23.11. 102 Section 23.11.102 is amended to read as follows:

23.11.102 Automatic Fire Extinguishing Systems. Notwithstanding any provision of the International Building Code or International Fire Code, as such codes are adopted by the City, throughout all buildings of four or more stories in height and throughout all buildings where the total floor area, including basements, exceeds 10,000 square feet. For purposes of this paragraph, portions of buildings separated by one or more area separation walls will not be considered a separate building. Existing buildings shall comply with this section when an addition is made to the building and the total floor area, including the basements, or the existing building and the addition combined exceeds 10,000 square feet, or when the value of a structural alteration or repair of an existing building 10,000 square feet in area or greater exceeds 50 percent of the assessed valuation of such existing building, or

exceeds 50 percent of the recognized replacement cost of the structure, without consideration of depreciation, as determined under the Marshall Valuation Service Cost Handbook, whichever is greater.

Section 4. There is hereby created a new section to Chapter 23.11 of the Bellevue City Code to read as follows:

23.11.46 Marinas

4601.1 Scope. Marina facilities shall be in accordance with this chapter.

4601.1.1 Plans and approvals. Plans for marina fire-protection facilities shall be approved prior to installation. The work shall be subject to final inspection and approval after installation.

4601.1.2 Permits. Permits are required to use open-flame devices for maintenance or repair on vessels, floats, piers or wharves.

4602.1 Definitions. The following words and terms shall, for the purpose of this chapter and as used elsewhere in this code, have the meanings shown herein.

A. "Float" means a floating structure normally used as a point of transfer for passengers and goods, or both, for mooring purposes.

B. "Marina" means any portion of the ocean or inland water, either naturally or artificially protected, for the mooring, servicing or safety of vessels and shall include artificially protected works, the public or private lands ashore, and structures or facilities provided within the enclosed body of water and ashore for the mooring or servicing of vessels or the servicing of their crews or passengers.

C. "Pier" means a structure built over the water, supported by pillars or piles, and used as a landing place, pleasure pavilion or similar purpose.

D. "Vessel" means watercraft of any type, other than seaplanes on the water, used or capable of being used as a means of transportation. Included in this definition are non-transportation vessels such as houseboats and boathouses.

E. "Warf" means a structure or bulkhead constructed of wood, stone, concrete or similar material built at the shore of a harbor, lake or river for vessels to lie alongside of, and piers or floats to be anchored to.

23.11.4603 General Precautions

4603.1 Combustible Debris. Combustible debris and rubbish shall not be deposited or accumulated on land beneath marina structures, piers or wharves.

4603.2 Sources of Ignition. Open-flame devices used for lighting or decoration on the exterior of a vessel, float, pier or wharf shall be approved.

4603.3 Flammable or Combustible Liquid Spills. Spills of flammable or combustible liquids at or upon the water shall be reported immediately to the fire department or jurisdictional authorities.

4603.4 Rubbish Containers. Containers with tight-fitting or self-closing lids shall be provided for the temporary storage of combustible trash or rubbish.

4603.5 Electrical Equipment. Electrical equipment shall be installed and used in accordance with its listing and Section 605 as required for wet, damp and hazardous locations.

4604.1 General. Marinas, piers, wharves, floats with facilities for mooring or servicing fire or more vessels, and marine motor vehicle fuel-dispensing stations shall be equipped with fire-protection equipment in accordance with Section 4604.

4604.2 Standpipes. Marinas shall be equipped throughout with standpipe systems in accordance with NFPA 303.

4604.3 Access and water supply. Piers and wharves shall be provided with fire apparatus access roads and water-supply systems with on-site fire hydrants when required and approved by the fire code official.

4604.4 Portable Fire Extinguishers. One fire extinguisher for ordinary (moderate) hazard type, shall be provided at each required hose station. Additional fire extinguishers, suitable for the hazards involved, shall be provided and maintained in accordance with Section 906.

4604.5 Communications. A telephone not requiring a coin to operate or other approved, clearly identified means to notify the fire department shall be provided on the site in a location approved by the code official.

23.11.4605 Marine Motor Vehicle Fuel-Dispensing Stations

4605.1 Fuel- Dispensing. Marine motor vehicle fuel-dispensing stations shall be in accordance with Chapter 22 of the Bellevue City Code.

Section 3. This ordinance shall take effect and be in force five (5) days after passage and legal publication.

Passed by the City Council this 21st day of June,
2004, and signed in authentication of its passage this 21st day of June
_____, 2004.

(SEAL)

Connie Marshall
Connie B. Marshall, Mayor

Approved as to form:

Richard L. Andrews, City Attorney

Patrice C. Cole
Patrice C. Cole, Assistant City Attorney

Attest:

Myrna L. Basich
Myrna L. Basich, City Clerk

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