STATE OF ILLINOIS)
)
COUNTY OF LAKE)

CERTIFICATE

I, Karen Walsh, certify that I am the duly elected Municipal Clerk for the Village of Mundelein, Lake County, Illinois.

I further certify that on April 13, 2026 the Corporate Authorities of such Village passed and approved:

Ordinance No. O-26-04-34
which is entitled

New Building Code Adoption 2024 IFC

The pamphlet form of said Ordinance, including the Ordinance and a cover sheet thereof was prepared and a copy of such Ordinance was posted in the Village Hall commencing on 4/14/2026, and was posted for at least ten days thereafter.

Copies of such Ordinance are available for public inspection upon request in the Customer Service Office.

Dated at Mundelein, Illinois on 4/14/2026.

_____
Village Clerk

ORDINANCE NO. O-26-04-34

AN ORDINANCE AMENDING THE VILLAGE OF MUNDELEIN FIRE PREVENTION CODE

WHEREAS, the Village of Mundelein, Lake County, Illinois, is a home-rule municipality as contemplated under Article VII, Section 6, of the Constitution of the State of Illinois, and the passage of this Ordinance constitutes an exercise of the Village's home-rule powers and functions as granted in the Constitution of the State of Illinois; and

WHEREAS, the President and Board of Trustees has determined that it is in the best interest of the Village of Mundelein to create a new Mundelein Fire Prevention Code using the 2024 Edition of the ICC (International Code Council) International Fire Code as the Village model; and

WHEREAS, the 2024 Edition of the ICC International Fire Code is a comprehensive compilation of codes designed to meet the needs of local fire jurisdictions through model code regulations that prescribe safeguards for the safety and public health of all communities; and

WHEREAS, the ICC is a result of consolidation of three previously recognized model code organizations: BOCA Building Officials & Code Administrator, ICBO International Conference of Building Officials, and SBCCI (Southern Building Code Congress International); and

WHEREAS, the ICC offers a complete set of codes without the regional limitations or technological disparities of the past. These codes are fully compatible with a larger set of codes promulgated by the ICC as well. Those codes are the international Building Code, international Energy Conservation Code, international Fuel Code, international Mechanical Code, international Plumbing Codes, international Property Maintenance Code, international Private Sewage Disposal Code, international Residential Code, and international Zoning Code; and

WHEREAS, one of the main benefits of this code is the model code development process under which It has been designed. This offers an international forum for fire safety professionals to discuss and debate the various requirements found herein. The model code system encourages international consistency in the application of the provision within the code.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND THE BOARD OF TRUSTEES OF THE VILLAGE OF MUNDELEIN, LAKE COUNTY, ILLINOIS, that:

SECTION I: Chapter 16.16 of the Mundelein Municipal Code is hereby deleted and replaced by the following:

SECTION II: Chapter 16.16 - FIRE PREVENTION CODE
The following sections of Chapter 16.16 of the Mundelein Municipal Code are hereby amended as follows. The text set forth below for each listed section amends and supplements the existing language, and all provisions of Chapter 16.16 not expressly amended herein shall remain in full force and effect.

Chapter 16.16 - FIRE PREVENTION CODE

16.16.010 - Fire prevention code created.
There is created and established, in and for the Village of Mundelein, the Mundelein Fire Prevention Code.

16.16.020 - Adoption of the International Fire Code 2024 Edition.
The International Fire Code 2024 Edition as issued and promulgated by the International Code Council, a copy of which has been on file in the village clerk's office and the building department for at least thirty days prior, and open to public inspection, are incorporated by reference in its entirety. The International Fire Code 2024 Edition, as adopted and amended hereafter shall be the rules and regulations for the construction, alterations, additions, repairs, or conversions of all buildings and structures, with the amendments, modification, and additions as hereafter set forth, in the Village of Mundelein, Lake County, Illinois, applicable to existing or proposed new buildings or structures.

16.16.030 - Amendments of the International Fire Code 2024 Edition.

CHAPTER 1 SCOPE AND ADMINISTRATION

SECTION 101 SCOPE AND GENERAL REQUIREMENTS

Amend to read as follows:

101.1 Title. These regulations shall be known as the Fire Prevention Code of the Village of Mundelein, hereafter referred to as "this code".

SECTION 102 APPLICABILITY

Amend to read as follows:

102.4 Application of building code. The design and construction of new structures shall comply with the Building Code of the Village of Mundelein; and any alterations, additions, changes in use or changes in structures required by this code, which are within the scope of the Building Code of the Village of Mundelein, shall be made in accordance therewith.

102.7 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 80, and Appendices B, C, and D, and shall be considered to be part of the requirements of this code to the prescribed extent of each such reference. All standards referenced in this code shall use the most current edition.

102.7.2 Provisions in referenced codes and standards. Where the extent of the reference to a referenced code or standard includes subject matter that is within the scope of this code or within the Mundelein Municipal Code, the provisions of this code or the Mundelein Municipal Code as applicable, shall take precedence over the provisions in the referenced code or standard.

SECTION 104 GENERAL AUTHORITY AND RESPONSIBILITIES

104.4 Right of Entry. Amend to read as follows:

All inspections shall be conducted in compliance with Chapter 16.40.030 of the Mundelein Municipal Code.

SECTION 110 MAINTENANCE

Amend to read as follows:

110.3 Recordkeeping. A record of periodic inspections, tests, servicing and other operations and maintenance shall be maintained on the premises or other approved location for not less than 3 years, or a different period of time where specified in this code or referenced standards. Records shall be made available for inspection by the fire code official, and a copy of the records shall be provided to the fire code official upon request. Any company or agent performing inspections and/or maintenance to fire protection systems shall be required to register with a reporting agency approved by the Fire Chief, and all inspection and maintenance reports shall be submitted via the approved agency requirements.

SECTION 112 BOARD OF APPEALS

Delete this section and insert the following:

112.1 General. The owner or lessee of a building or structure, or their duly authorized agent, may appeal any determination or decision of the fire code official to the Village Board of Trustees by serving a written notice thereof on the Village Clerk within thirty (30) days after being notified of the determination or decision. In the event of such an appeal, the Village Board of Trustees shall either affirm, reverse, or modify the determination or decision following a hearing thereon.

SECTION 113 VIOLATIONS

Amend to read as follows:

113.4 Violation Penalties. Any person, firm, or corporation which shall violate any provision of this code or shall fail to comply with any of the requirements thereof or shall erect, construct, install, alter, repair, or do work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provision of this code, shall be guilty of a misdemeanor, punishable by a fine of not less than $75.00 and not more than $750.00. Each day the violation continues after due notice has been served shall be deemed a separate offense.

CHAPTER 2
DEFINITIONS

Section 202 Definitions**.** Amended by adding the following definition:
"Consumer Novelties" — Consumer novelties shall mean: (i) snakes, glow-worm pellets, smoke devices, trick noisemakers, sparklers, trick matches, cigarette loads, auto burglar alarms, toy pistols, toy canes, toy guns, and any other devices in which paper or plastic caps containing 0.25 grains (16 mg) or less of explosive compound are used, provided they are constructed so that the hand cannot come in contact with the cap when in place for the explosion, and (ii) toy pistol paper or plastic caps which contain less than 0.20 grains (13mg) of explosive mixture.

CHAPTER 3
GENERAL REQUIREMENTS

SECTION 305 IGNITION SOURCES

Add a new section:

305.6 Reporting hazardous situations. Any person discovering the evidence or being appraised of spontaneous heating, or any other type of abnormal or illegal heating or burning; or any person upon discovering or being appraised of an uncontrolled hazardous, flammable, and/or combustible gas leak, or hazardous material spill shall immediately notify the fire department.

SECTION 307 OPEN BURNING, RECREATIONAL FIRES AND PORTABLE OUTDOOR FIREPLACES

Amend to read as follows:

307.1.1 Prohibited open burning. The burning of leaves, landscape waste, paper, plywood, construction materials, or trash/rubbish is prohibited. Open burning shall be prohibited when atmospheric conditions or local circumstances make such fires hazardous.

307.4.2 Recreational Fires. Recreational fires, including firepits, shall not be conducted within 15 feet of a structure or combustible material. Conditions that could cause a fire to spread within 15 feet of a structure shall be eliminated prior to ignition. Solid fuel for any outdoor fireplace or firepit shall consist of only seasoned dry firewood and shall be ignited with a small quantity of paper, or commercially available paraffin wax and woodchip fire starters. Fireplaces and firepits that use liquefied gas as fuel shall follow manufacturer's requirements and recommendations for installation and placement.

CHAPTER 5
FIRE SERVICE FEATURES

SECTION 503 FIRE APPARATUS ACCESS ROADS

Amend to read as follows:

503.1 Where required. Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3 and APPENDIX D FIRE APPARATUS ACCESS ROADS.

503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities. It shall be the responsibility of the property owner to maintain the surface in a usable condition at all times, including the removal of snow.

SECTION 505 PREMISES IDENTIFICATION

Section 505.1 Address identification. Amended to read as follows:

New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed on the building in a position that is visible from the public right of way and on all exterior doors. Address identification characters shall contract with their background. Address numbers shall be Arabic numerals of at least 6 inches (152 mm) in height with one inch (25 mm) stroke. Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address identification shall be maintained.

SECTION 506 KEY BOXES

Amend to read as follows:

506.1 Where required. Where access to or within a structure or an area is unduly difficult or restricted because of secured openings, and where the structure is equipped with a fire alarm or fire suppression system or immediate access is necessary for lifesaving or fire-fighting purposes, a minimum 3200 Series Knox Box shall be provided at the main entrance, at the Fire Protection Rooms and other locations on the exterior of the building as required by the Fire Code Official. The Knox Box shall contain keys to gain necessary access and perform necessary functions as required by the fire code official. The Knox Box shall be sized for the number of keys provided and shall be mounted at a height of five feet, six inches (5'6") above finished grade.

SECTION 507 FIRE PROTECTION WATER SUPPLIES

Amend to read as follows:

507.3 Fire flow. Fire-flow requirements for buildings or portions of buildings and facilities shall be determined by APPENDIX B, FIRE FLOW REQUIREMENTS FOR BUILDINGS or another approved method.

507.5 Fire hydrant systems. Fire hydrant systems shall comply with APPENDIX C, FIRE HYDRANT LOCATIONS AND DISTRIBUTION and Sections 507.5.1 through 507.5.6.

SECTION 510 EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEMS

Amend to read as follows:

510.1 Emergency responder radio coverage in new buildings. New buildings shall have approved radio coverage for emergency responders within the building based on the existing coverage levels of the public safety communication systems utilized by the jurisdiction, measured at the exterior of the building. An in-building coverage test as described in Section 510.5.3 shall be performed by qualified personnel. Failure of this test shall require that an approved public safety radio coverage system shall be required in accordance with Sections 510.2 through 510.6.4. This section shall not require improvement of the existing public safety communication systems.

Exception:

1. 1- and 2- family detached residential dwelling.
2. One-story buildings less than twelve thousand (12,000) square feet with no below-grade areas.
3. Where approved by the building official and the fire code official, a wired communication system in accordance with Section 907.2.13.2 shall be permitted to be installed or maintained instead of an approved radio coverage system.
4. Where it is determined by the fire code official that the radio coverage system is not needed.
5. In facilities where emergency responder radio coverage is required and such systems, components or equipment required could have a negative impact on the normal operations of that facility, the fire code official shall have the authority to accept an automatically activated emergency responder radio coverage system.

CHAPTER 9 FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 901 GENERAL

901.4.6.1 Access. Amend to read as follows:
Rooms containing automatic sprinkler system risers, fire pumps and controllers shall be located on an outside wall at grade, with direct exterior access. The door shall be permitted to be locked provided that the key is available at all times.

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS

Delete Section 903.2 and insert the following:

903.2 Where required. An approved automatic fire sprinkler system shall be provided in all new buildings or structures. In buildings with separate occupancies or strip malls, flow switches shall be provided for each occupancy for addressing. Smoke and/or heat detection may be installed in lieu of flow switches.

Exceptions:

1. Detached accessory buildings that are classified as Miscellaneous Group U occupancies, unless required by another section of the code.
2. Detached, single-story accessory buildings or structures, except Group H occupancies, with no basement and less than 1,000 square feet in floor area and with a minimum separation of twenty-five (25) feet from all other buildings.
3. Spaces or areas in telecommunication buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided those spaces or areas are equipped throughout with an automatic smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour fire barriers constructed in accordance with Section 707 of the International Building Code or not less than 2-hour horizontal assemblies constructed in accordance with Section 711 of the International Building Code, or both.

903.2.1 Assembly occupancies on roofs. Where an occupied roof has an assembly occupancy, all floors between the occupied roof and the level of exit discharge shall be equipped with an approved automatic fire sprinkler system.

Exception: Open parking garages of Type I or Type II Construction.

903.2.2 During construction. Automatic sprinkler systems required during construction, alteration, and demolition operations shall be provided in accordance with Section 3314.

Amend the following sections to read as follows:

903.3.5 Water supplies. Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the Mundelein Municipal Code and the Illinois Plumbing Code. For connections to public waterworks systems, the water supply test used for design of fire protection systems shall be adjusted with a 10%, but not less than 5 psi, minimum safety factor to account for seasonal and daily pressure fluctuations based on information from the water supply authority and as approved by the fire code official.

903.4.2 Monitoring. Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to the Village of Mundelein Dispatch Center and shall be automatically transmitted via the approved Village of Mundelein Wireless Radio System.

Exceptions: Delete all exceptions:

903.4.2 Alarms. An approved weatherproof blue strobe light and audible device, located on the exterior of the building and located over the fire department connection (FDC), or other approved location, shall be connected to each automatic sprinkler system. Such 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. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

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

SECTION 905 STANDPIPE SYSTEMS

905.3.1 Height. Amend to read as follows:
Class I standpipe systems shall be installed throughout buildings where any of the following conditions exist:

1. Three (3) or more stories are above or below grade plane.
2. The floor level of the highest story is located more than 30 feet above the lowest level of the fire department vehicle access.
3. The floor level of the lowest story is located more than 30 feet below the highest level of fire department vehicle access.

4. Any per floor area exceeds 15,000 square feet.
5. Where any portion of the building's interior is more than 200 feet of travel, vertically and horizontally, from the nearest point of fire department vehicle access.

Exception: In determining the lowest level of fire department vehicle access, it shall not be required to consider recessed loading docks for four vehicles or less, or conditions where topography makes access from the fire department vehicle to the building impractical or impossible.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

907.1.3 Equipment. Amend to read as follows:
Systems and components shall be listed and approved for the purpose for which they are installed. Fire alarm control units and annunciators shall be fully addressable and shall be configured to be activated and/or silenced with a key and no other method.

Add the following sections:

907.1.3.1 Control panel locations. Fire alarm control panels or full-function annunciator panels shall be located within ten (10) feet of the main entrance of the occupancy, or in a location approved by the fire code official.

907.1.3.2 Fire alarm zone map. A fire alarm zone map showing a building floor plan and all fire alarm system components shall be provided at each fire alarm control panel and fire alarm annunciator panel.

Amend to read as follows:

907.2.11 Single and multiple-station smoke alarms. Listed single and multiple-station smoke alarms complying with UL 217 shall be installed in accordance with Sections 907.2.11.1 through 907.2.11.7, manufacturer's installation instructions, NFPA 72, the current State of Illinois Smoke Detector Act (425 ILCS 60/), and all the rules and regulations of the Office of the Illinois State Fire Marshal.

907.6.6 Monitoring. Fire alarm systems shall be automatically transmitted to the Village of Mundelein Dispatch Center and shall be automatically transmitted via the approved Village of Mundelein Wireless Radio System. Alarm, supervisory and trouble signals shall be distinctly different.

Exception: Monitoring is not required for 1- and 2-family dwellings and smoke detectors in Group I-3 Occupancies.

907.9 Where required in existing buildings and structures. A full, automatic fire alarm system shall be installed in accordance with the provisions of this code and NFPA 72 in existing buildings not provided with an automatic fire sprinkler system, where any increase in the square footage, or a change in building occupancy classification or use group occurs. When required, fire separation assembly(s) shall be installed in accordance with this code.

Exceptions: 1- and 2-family dwellings, unless specified elsewhere in this Code.

Add the following sections:

907.11 General. This section applies to false fire alarms. This includes any alarm signal that indicates or reports the existence of an emergency situation, when in fact no such emergency exists, by any alarm signal generated by any fire protection system, by whatever means.

907.11.1 False fire alarm service charge. A fire alarm user shall be charged a service charge of $100.00 for each false fire alarm that is due to, or caused by, lack of required maintenance as specified in this Code; or resulting from any test, repair, alteration, or addition to the fire protection system without prior notification thereof to the Village of Mundelein Fire Department and/or the Mundelein Dispatch Center. For all other false fire alarms, the alarm user shall be charged a service charge of $100.00 for each false alarm in excess of two in any calendar year. All false fire alarm service charges shall be remitted to the Customer Service Department located in the Village Hall, by the alarm user upon receipt of the statement for such service charge.

907.11.1.1 Allowance for newly installed fire alarm systems. A waiver of fees for false fire alarms will be considered on a case-by-case basis for fire alarm users should a false fire alarm occur during the first three (3) months after the user's fire alarm service was commenced.

907.11.1.2 Allowance for local governments. Units of local government, such as schools and park districts, may receive a waiver of fees for false fire alarms.

907.11.2 Intentional false fire alarm. No person shall deliberately or maliciously call in, or otherwise report a fire alarm when in fact such a person knows that no fire exists. No person shall activate any fire alarm system or fire suppression system for purposes other than an emergency, maintenance, drills, or prescribed testing.

907.11.2.1 Penalties. Any person who violates the provisions of Section 907.11.2 shall be subject to a fine of not less than $75.00 and not more than $750.00 for each violation. Such fines shall be in addition to any other fee or charge authorized pursuant to the terms of the ordinance codified in this chapter.

907.11.3 Liability. The Village of Mundelein assumes no liability for:

Any defects in the operation of the fire alarm system.

1. Any failure or neglect to respond appropriately upon receipt of an alarm.
2. Any failure or neglect of any person in connection with the installation, operation, or maintenance of any alarm system.
3. The transmission of alarm signals, pre-recorded alarm messages, or the relaying of such signals and messages.

SECTION 912 FIRE DEPARTMENT HOSE CONNECTIONS

Amend to read as follows:

912.3 Fire hose threads. Fire department connections shall be 5" Storz connections fitted with a 30-degree downturn elbow. If additional hose connections are required for proper operation of the fire suppression system(s), s standard 2½ inch Siamese connection may be used when approved by the Fire Chief or his designee. Fire hose threads used in connection with standpipe systems shall be approved and shall be compatible with fire department hose threads.

CHAPTER 10
MEANS OF EGRESS

SECTION 1028 EXIT DISCHARGE

Delete Section 1028.5 and insert the following:

1028.5 Access to a public way. The exit discharge shall provide a hard, level walking surface with direct and unobstructed access to a public way. Any type of barrier including, but not limited to, the accumulation of snow and/or ice is an impediment to free movement and procedures shall be established to ensure that blockages are eliminated.

Exception: Where access to a public way cannot be provided, a safe dispersal area shall be provided where all of the following are met:

1. The area shall be of a size to accommodate not less than 5 square feet for each person.2.The area shall be located on the same lot not less than 50 feet away from the building requiring egress.3.The area shall be permanently maintained and identified as a safe dispersal area.4.The area shall be provided with a safe and unobstructed path of travel from the building.

CHAPTER 32
HIGH-PILED COMBUSTIBLE STORAGE

SECTION 3206 GENERAL FIRE PROTECTION AND LIFE SAFETY FEATURES

Add the following section:

3206.4.2 Minimum design requirements for speculative warehouses. The design of automatic fire sprinkler systems for speculative Group M, S or F occupancies shall be based on storage of Cartoned Unexpanded Group A Plastics to the available storage height. The storage height shall be determined by subtracting 48 inches (48") from the highest point of the roof above each system for ESFR, and 30 inches (30") for area density applications.

Exception: Speculative occupancies with specific predetermined storage requirements approved by the AHJ.

CHAPTER 56 EXPLOSIVES AND FIREWORKS

SECTION 5601 GENERAL

Amend the following sections:

Section 5601.1.3 Fireworks**.** Amended to read as follows:
The possession, manufacture, storage, sale, handling and use of fireworks are prohibited.

Exceptions:
1. Storage, handling, and use of fireworks at approved display sites in accordance with Sections 5604 and 5608.
2. The retail sale of approved consumer novelties as defined in Section 202 of this code shall be permitted only to persons 18 years of age or older. Retail sales shall be permitted only in buildings equipped with approved automatic sprinkler systems. The display of consumer novelties in a building shall be separated from all exit doors by a minimum distance of twenty (20) feet, or as approved in advance in writing by the fire code official. The sale of consumer novelties shall not be permitted at any building or on any property where flammable or combustible liquids or gases are sold or dispensed."

Add the following section: 5601.1.3.1. Penalties for possession
Any person, firm, corporation, or entity that violates any provision of Section 5601.1.3 of this code shall be subject to penalties as described in Chapter 1.24 of the Mundelein Municipal Code.

Section 5601.2.2 Sales and retail display. Amend to read as follows:
It shall be unlawful to display, sell, store, or advertise for sale any Class 1.3G or 1.4G fireworks within the Village of Mundelein. Persons shall not construct a retail display nor offer for sale explosives, explosive materials, or fireworks on highways, sidewalks, public property, or in Group A or E occupancies."

Section 5608.2.1 Outdoor fireworks displays. Amended to read as follows:
In addition to the requirements of Section 403, permit applications for outdoor fireworks displays using Division 1.3G fireworks shall include a diagram of the location at which the display will be conducted, including the site from which fireworks will be discharged; the location of buildings, highways, overhead obstructions and utilities; and the lines behind which the audience will be restrained. All outdoor fireworks displays shall be electronically fired using approved electronic firing units and approved mortar racks. All outdoor fireworks displays shall comply with the provisions of the Fireworks Regulation Act of Illinois, 425 ILCS 30/1, et seq., and the Pyrotechnic Distributor and Operator Licensing Act, 225 ILCS 227/1, et seq.

SECTION III: If any section, paragraph, subdivision, clause, sentence, or provision of this Ordinance shall be adjudged by a court of competent jurisdiction to be invalid or unenforceable, such judgment shall not affect, impair, invalidate, or nullify the remainder of this Ordinance, and the remainder shall continue in full force and effect.

SECTION IV: All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION V: This Ordinance shall be in full force and effect upon its passage, approval and publication in pamphlet form (which publication is hereby authorized) as provided by law.

RESULT:	**Passed [Yes 5, No 0, Abstained 0]**
MOVER:	Trustee Arnold Krinski
SECONDER:	Trustee Daniel Juarez
AYES:	Jennifer Grieco, Daniel Juarez, Arnold Krinski, Kara Lambert, Erich Schwenk
NAYS:	None
ABSTAIN:	None

_____
President

ADOPTED: Monday, April 13, 2026

APPROVED: Monday, April 13, 2026

ATTEST: _____

Village Clerk