

## Section 15: Industrial & Business

### 15.1 IA Agri-business



#### 15.1.1 Purpose

The purpose of this district is to provide for agriculture-related business. Uses include primary and secondary agricultural processing and some minor service functions in accessible and serviceable locations.

15.1.2	Permitted Uses	15.1.3	Discretionary Uses
	agriculture, general agricultural support service equipment, major  Sign Type A*, B*, C*, D*, F* (Bylaw 1-2011)		abattoir aggregate extraction* agriculture, intensive horticultural (Bylaw 52-2007) agriculture, major intensive livestock* agriculture, minor intensive livestock* auctioneering establishment business support service dwelling, collective communal (only if existing as of June 22, 2001) dwelling, single (only if existing as of June 22, 2001) emergency service food and beverage products (Bylaw 13-2003) government service outdoor storage recycling, oil depot residential security/operator unit  Sign Type E* (Bylaw 1-2011)

#### 15.1.4 Subdivision Regulations

- a) The minimum lot area is 32 ha except for parcels that have been severed by natural or manmade features
- b) The minimum lot area may be reduced to 8.0 ha for intensive agriculture in a previously unsubdivided quarter section.
- c) The minimum lot area may be reduced to 4.0 ha for agricultural uses other than intensive agriculture if it can be demonstrated that such a parcel is of sufficient size to accommodate the activities of the proposed agricultural operation.

#### 15.1.5 Development Regulations

- a) The maximum height is 16 m.
- b) The minimum front yard is 10 m or, in a rural area, it is the greater of 10 m or 45 m from the centreline of a provincial highway.

- c) The minimum side yard is 5.0 m.
- d) The minimum rear yard is 10 m.

**15.1.6 Other Regulations**

- a) **(Deleted by Bylaw 13-2003)**
- b) In addition to the regulations listed above, other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping and screening provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10.

## 15.2 **IE Eco-business**



### 15.2.1 Purpose

The purpose of this district is to provide for prestige development in a business park setting in areas designated by the *Municipal Development Plan* and in other suitable locations along highway corridors when designated by an approved area structure plan. Development should be designed and serviced to minimize the environmental effect in a campus-like setting with no unscreened outdoor storage.

### 15.2.2 Permitted Uses

food and beverage products  
(Bylaw 13-2003)  
office  
Sign Type D\* (Bylaw 1-2011)

### 15.2.3

### Discretionary Uses

business support service  
care centre, intermediate  
care centre, major  
care centre, minor  
emergency service  
food service, restaurant  
food service, specialty  
gas bar\*  
neighbourhood pub  
recreation, indoor  
residential security/operator unit  
retail, convenience  
utility service, minor  
warehousing and storage

### 15.2.4 Subdivision Regulations

- a) The minimum lot width is 50 m.

### 15.2.5 Development Regulations

- a) The maximum site coverage is 30%.
- b) The maximum height is 12 m.
- c) The minimum front yard is 10 m.
- d) The minimum side yard is 10 m.
- e) The minimum rear yard is 10 m.

### 15.2.6 Other Regulations

- a) Outdoor storage is not permitted unless completely screened from adjacent roadways and roads.
- b) In addition to the regulations listed above, other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10.

## 15.3 **IH Heavy Industrial** (Bylaw 31-2004)



### 15.3.1 Purpose

The purpose of this district is to provide for large scale and major industrial uses that may have large land requirements and some nuisance effects on adjacent sites.

### 15.3.2 Permitted Uses

agriculture, general  
equipment, major  
outdoor storage  
recycling, oil depot  
utility service, minor  
warehousing and storage  
Sign Type A\*, B\*, D\*, F\*  
(Bylaw 1-2011)

### 15.3.3

### Discretionary Uses

abattoirs  
aggregate extraction\*  
concrete/asphalt plant, major (Bylaw 8-2009)  
concrete/asphalt plant, minor (Bylaw 8-2009)  
dwelling, single\* (within Alberta's Industrial Heartland) (Bylaw 91-2003)  
dwelling, secondary\* (within Alberta's Industrial Heartland) (Bylaw 91-2003)  
emergency service  
home business, major\*  
home business, minor\*  
industrial, general  
industrial, heavy  
manufacture home\* (within Alberta's Industrial Heartland) (Bylaw 91-2003)  
parking, non-accessory (Bylaw 77-2006)  
residential security/operator unit  
service station, minor\*  
utility service, major  
waste management, major  
waste management, minor  
wrecking yard  
Sign Type E\* (Bylaw 1-2011)

### 15.3.4 Subdivision Regulations

- a) The minimum lot width is 50 m.

### 15.3.5 Development Regulations

- a) The minimum front, side, and rear yard is the greater of 15 m or 45 m from the centreline of a provincial highway.
- b) Notwithstanding Section 15.3.5 a), a Development Officer may require a greater setback for a use that may interfere with the safety and amenity of adjacent sites or to meet the regulations of Section 15.3.4.

### 15.3.6 Other Regulations

- a) Where a single dwelling was existing as of July 5, 1994, the dwelling may be rebuilt.

- b) Safety, risk and environmental assessment are integral components of the industrial development review process. Where there are potential effects or risk associated with a proposed development, a Development Officer shall require an applicant to retain a qualified

- professional acceptable to the Development Officer to provide an environmental impact assessment and/or a quantitative risk assessment report of the proposed development, in determining whether the proposed development is to be approved, approved with conditions, or refused.
- c) A Development Officer shall require, as a condition of a development permit for industrial, general, uses at which dangerous goods are produced, processed, handled, stored or disposed of on-site, that an applicant retain a qualified professional acceptable to the Development Officer to prepare a risk assessment review statement, to determine whether the proposed development is to be approved, approved with conditions, or refused. Guidelines for preparation of the risk assessment review statement will be provided by the County.
  - d) No new development nor expansion to an existing development approved in this district after (the effective date of the bylaw amendment) shall present an annual individual fatality risk in excess of the maximum probabilities specified at the following locations:
    - i) at a distance of 1.5 km (risk of incident 1:100,000) beyond the nearest IH property boundary in the IH district containing the site;
    - ii) at a distance of 3.0 km (risk of incident 1:1,000,000) beyond the nearest IH property boundary in the IH district containing the site.
  - e) A license, permit approval or other authorization granted by a Federal or Provincial agency or Crown-controlled organization may prevail over this bylaw or a development decision by a development officer, and/or Subdivision and Development Appeal board pursuant to Federal or Provincial Legislation. When an application is received by the County for a Land Use Bylaw amendment or development permit and the application is consistent with a license, permit, approval or other authorization granted by a Federal or Provincial agency or Crown-controlled organization, the County must approve the application to the extent that it complies with the license, permit, approval or other authorization granted.
  - f) In addition to the regulations listed above, other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping and screening provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10 of the Land Use Bylaw.
  - g) Notwithstanding Section 15.3.6 a), where a dwelling is located within Alberta's Industrial Heartland area, the regulations of Section 9.18 of the Land Use Bylaw shall apply.

## 15.4 **IH-O Heavy Industrial Transition Overlay**



(Bylaw 30-2004)

### 15.4.1 Purpose

The purpose is to protect heavy industrial development by avoiding conflicts from the development of significant residential or assembly uses within 1.5 km of the nearest boundary of the IH Heavy Industrial District. Additional restrictions on the most sensitive uses extend 3.0 km of the nearest boundary of the IH Heavy Industrial District. The application of use restrictions and additional regulations is to reduce the risks to public safety and minimize nuisance associated with heavy industry as well to facilitate emergency management in the event of an industrial accident through the implementation of buffers and transition zones.

### 15.4.2 Permitted Uses

Permitted uses are those permitted uses in the underlying district unless they are prohibited by Sections 15.4.5, 15.4.6 or listed below as a discretionary use.

### 15.4.3 Discretionary Uses within 1.5 km of the nearest boundary of the Heavy Industrial District

The following uses are discretionary within 1.5 km of the nearest boundary of the IH Heavy Industrial District as shown on Schedule "B", if they are permitted or discretionary in the underlying district:

business support service	retail, alcohol
food service, drive-in	retail, convenience
financial service	retail, general
government service	retail, secondhand
office	warehouse sales
personal service establishment	

### 15.4.4 Discretionary Uses between 1.5 and 3.0 km of the nearest boundary of the Heavy Industrial District

The following uses are discretionary between 1.5 km and 3.0 km of the nearest boundary of the IH Heavy Industrial District as shown on Schedule "B", if they are permitted or discretionary in the underlying district:

auctioneering establishments	library and exhibit
bingo hall	motel
care centre, intermediate	recreation, community
carnival, major	recreation, indoor
commercial school	recreation, outdoor
education, private	religious assembly
education, public	retail, general
entertainment spectator	retail, secondhand
exhibition & convention facility	temporary shelter service
flea market	tourist campsite
health service, minor	warehouse sales
hotel	

### 15.4.5 Prohibited Uses within 1.5 km of the nearest boundary of the Heavy Industrial District

The following uses are prohibited within 1.5 km of the nearest boundary of the IH Heavy Industrial District as shown on Schedule "B", regardless if they are permitted or discretionary in the underlying district:

all residential uses	hotel
amusement arcade, major	industrial, general at which
apartment hotel	dangerous goods are produced,
auctioneering establishment	processed, handled, stored,
bed and breakfast	used or disposed, and where a
bingo hall	quantitative risk assessment
boarding and lodging house	determines the potential
care centre, intermediate	increased risk of an industrial
care centre, major	accident
care centre, minor	industrial, heavy
carnival, major	library and exhibit
carnival, minor	motel
commercial school	neighbourhood pub
congregate housing	nightclub
correction service	office, call centre
dormitory, associated with	private camp
education, private or public	private club
education, private	recreation, community
education, public	recreation, indoor
emergency service	religious assembly
entertainment, spectator	residential security / operator
exhibition and convention facility	unit
flea market	spectator sports
food service, restaurant	temporary shelter service
food service, specialty	tourist campsite
funeral service	
group home, major	
group home, minor	
health service, major	
health service, minor	

#### 15.4.6 Prohibited Uses between 1.5 km and 3.0 km of the nearest boundary of the Heavy Industrial District

The following uses are prohibited within 3.0 km of the nearest boundary of the IH Heavy Industrial District as shown on Schedule "B", regardless if they are permitted or discretionary in the underlying districts.

all residential uses	dangerous goods are produced, processed, handled, stored, used or disposed, and where a quantitative risk assessment determines the potential increased risk of an industrial accident
apartment hotel	industrial, heavy
bed and breakfast	residential security/operator unit
boarding and lodging house	spectator sports
care centre, major	
congregate housing	
correction service	
dormitory, associated with education, private or public	
emergency service	
group home, major	
group home, minor	
health service, major	
industrial, general, at which	

#### 15.4.7 Fundamental Use Criteria

It is a fundamental use criteria of any of the above permitted and discretionary uses, that notwithstanding the development regulations in this district, or the underlying district, the floor area ratio (F.A.R.) between 0 km and 1.5 km of the IH Heavy Industrial District shall not exceed 0.5, excepting retail general, warehouse sales, office and government service where the maximum is 0.20.

It is a fundamental use criteria of any of the above permitted and discretionary uses, that notwithstanding the development regulations in this district, or the underlying district, the F.A.R. between 1.5 km and 3.0 km of the IH Heavy Industrial District, shall not exceed 0.5, excepting retail general, warehouse sales, and health service, minor where the maximum is 0.35.

#### 15.4.8 Subdivision Regulations

The subdivision regulations of the underlying district apply.

#### 15.4.9 Development Regulations

The following development regulations apply in addition to those of the underlying district. Where any conflict exists, the more restrictive regulation shall apply.

- a) The maximum height within 0 km to 1.5 km of the nearest boundary of the IH Heavy Industrial District is 10 m except for general industrial uses. (Bylaw 151-2002)
- b) The maximum height within 1.5 km to 3.0 km of the nearest boundary of the IH Heavy Industrial District is the lessor of 16 m or the height of the underlying district. (Bylaw 151-2002)
- c) Where one parcel is bisected by the 1.5 km boundary line of the IH-O Heavy Industrial Transition Overlay, the uses and development regulations on each side of the boundary line shall follow the applicable provisions as described in this bylaw. Where there is a dispute or doubt as to the location of the 1.5 km boundary line, it shall be determined by a Development Officer in accordance with Section 2.2.4 of Land Use Bylaw 8-2001.

- d) The maximum floor area ratio for one parcel shall not be transferable to another parcel, in order to permit greater density than is intended for the one parcel.
- e) All site and building designs, except for renovations or additions of less than 10% of the existing gross floor area, shall be designed for ease of evacuation, access by emergency services, and mechanical systems to provide protection to occupants in the case of a significant industrial accident. (Bylaw 4-2002)
- f) All sites and buildings shall be designed in accordance with the County's Emergency Services "Guide to Shelter-in-Place or Evacuation during an Environmental Emergency".
- g) Dangerous goods means Dangerous Goods as defined in the Alberta Fire Code, as may be amended from time to time, and are produced, processed, handled, stored, used or disposed of on any site.
- h) In addition to compliance with the Alberta Safety Code and Alberta Fire Code, any on-site production, processing, handling, storage, use or disposal of dangerous goods in excess of the quantities identified under the Alberta Fire Code, with reference to Small Quantity Exemptions for Dangerous Goods may, at the discretion of a Development Officer, require that the applicant retain a qualified professional acceptable to the Development Officer to prepare a risk assessment report to determine the risk of an industrial accident, or the potential of additional risk resulting from the cumulative quantities of dangerous goods located at other surrounding facilities.
- i) A Development Officer shall require, as a condition of a development permit for industrial, general, uses at which dangerous goods are produced, processed, handled, stored or disposed of on-site, that an applicant retain a qualified professional acceptable to the Development Officer to prepare a risk assessment review statement, to determine whether the proposed development is to be approved, approved with conditions, or refused. Guidelines for preparation of the risk assessment review statement will be provided by the County.
- j) A license, permit approval or other authorization granted by a Federal or Provincial agency or Crown-controlled organization may prevail over this bylaw or a development decision by a development officer, and/or Subdivision and Development Appeal Board pursuant to Federal or Provincial Legislation. When an application is received by the County for a Land Use Bylaw amendment or development permit and the application is consistent with a license, permit, approval or other authorization granted by a Federal or Provincial agency or Crown-controlled organization, the County must approve the application to the extent that it complies with the license, permit, approval or other authorization granted.

#### **15.4.10 Other Regulations**

- a) In addition to the regulations listed above, other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping and screening provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10 of the Land Use Bylaw.

## 15.5 **IL Local Industrial**



### 15.5.1 Purpose

The purpose of this district is to provide for rural industrial development on serviced or unserviced lands in areas in hamlets, airports, and other potential nodes along highways that are designated by approved area structure plans or area redevelopment plans.

15.5.2	Permitted Uses	15.5.3	Discretionary Uses
	contractor service, limited Sign Type A, B, D, F*(Bylaw 1-2011)		agricultural support service business support service contractor service, general equipment, minor industrial, general parking, non-accessory (Bylaw 77-2006) recycling drop-off residential security/operator unit utility service, minor warehousing and storage Sign Type E (Bylaw 1-2011)

### 15.5.4 Subdivision Regulations

- a) The minimum lot area is 1.0 ha except as modified by the provisions of an area structure plan or area redevelopment plan.

### 15.5.5 Development Regulations

- a) The maximum height is 10 m.
- b) The minimum front yard is 10 m or, in a rural area, it is the greater of 10 m or 45 m from the centreline of a provincial highway.
- c) The minimum side yard is 10 m.
- d) The minimum rear yard is 10 m.

### 15.5.6 Other Regulations

- a) In addition to the regulations listed above, other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping and screening provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10.

## 15.6 **IM Medium Industrial**



### 15.6.1 Purpose

The purpose of this district is to provide for a broad range of compatible commercial and industrial uses, some of which have outdoor storage or activities. Any nuisance factor should not extend beyond the boundaries of the site. This district is generally not located adjacent to residential areas because of potential nuisance factors.

15.6.2	Permitted Uses	15.6.3	Discretionary Uses
	agricultural support service agriculture, general animal grooming facility <b>(Bylaw 13-2003)</b> animal hospital and shelter auctioneering establishment autobody repair and paint shop commercial storage contractor service, general contractor service, limited custom indoor manufacturing <b>(Bylaw 13-2003)</b> emergency service equipment, major equipment, minor funeral service outdoor storage recreation vehicle storage <b>(Bylaw 34-2011)</b> recycling depot recycling drop-off service station, minor truck and manufactured home sales/rental utility service, minor vehicle repair, major vehicle repair, minor veterinary service, major veterinary service, minor warehousing and storage  Sign Type A, B, D, F* <b>(Bylaw 1-2011)</b>		abattoir bulk fuel depot <b>(Bylaw 38-2005)</b> business support service concrete/asphalt plant, minor <b>(Bylaw 8-2009)</b> dwelling, single (only if existing as of July 5, 1994) food and beverage products <b>(Bylaw 13-2003)</b> food service, specialty home business, major* home business, minor* industrial, general <b>(Bylaw 13-2003)</b> parking, non-accessory recreation, indoor recycling, oil depot residential security/operator unit retail, convenience utility service, major warehouse sale waste management, minor  Sign Type E <b>(Bylaw 1-2011)</b>

### 15.6.4 Subdivision Regulations

- a) The minimum lot width is 20 m.

### 15.6.5 Development Regulations

- a) The maximum floor area ratio is 2.0.  
 b) The maximum height is 18 m.

- c) The minimum front yard is 6.0 m.
- d) The minimum side yard is 6.0 m, except if serviced by rail, no yard is required.
- e) The minimum rear yard is 6.0 m, except if serviced by rail, no yard is required.

#### **15.6.6 Other Regulations**

- a) Where a single dwelling was existing as of July 5, 1994, the dwelling may be rebuilt.
- b) In addition to the regulations listed above, other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping and screening provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10.
- c) General industrial uses shall not create any nuisance effect beyond the boundaries of the site. **(Bylaw 13-2003)**
- d) Notwithstanding s. 15.6.6 a), where a dwelling is located within Alberta's Industrial Heartland area, the regulations of Section 9.18 shall apply. **(Bylaw 91-2003)**
- e) Safety, risk and environmental assessment are integral components of the industrial development review process. Where there are potential effects or risk associated with a proposed development, a Development Officer shall require an applicant to retain a qualified professional acceptable to the Development Officer to provide an environmental impact assessment and/or a quantitative risk assessment report of the proposed development, in determining whether the proposed development is to be approved, approved with conditions, or refused. **(Bylaw 38-2005)**
- f) A Development Officer shall require, as a condition of a development permit for general industrial uses, at which dangerous goods are produced, processed, handled, stored or disposed of on-site, that an applicant retain a qualified professional acceptable to the Development Officer to prepare a risk assessment review statement, to determine whether the proposed development is to be approved, approved with conditions or refused. Guidelines for preparation of the risk assessment review statement will be provided by the County. **(Bylaw 38-2005)**
- g) A license, permit approval or other authorization granted by a Federal or Provincial agency or Crown-controlled organization may prevail over this bylaw or a development decision by a development officer, and/or Subdivision and Development Appeal board pursuant to Federal or Provincial Legislation. When an application is received by the County for a Land Use Bylaw amendment or development permit and the application is consistent with a license, permit, approval or other authorization granted by a Federal or Provincial agency or Crown-controlled organization, the County must approve the application to the extent that it complies with the license, permit, approval or other authorization granted. **(Bylaw 38-2005)**

## 15.7 **ILT Light Industrial** (Bylaw 73-2004)



### 15.7.1 Purpose

The purpose of this district is to provide an area that will facilitate services or businesses of industrial nature which do not create or generate nuisance factors outside an enclosed building. Outdoor storage in this district will provide for a limited amount of products, supplies or vehicles, which shall be completely screened from roadways and adjacent properties. This district is compatible with non-industrial uses and should be located on the periphery of industrial areas along major transportation corridors, and/or in a campus-like setting.

15.7.2	Permitted Uses	15.7.3	Discretionary Uses
	broadcasting studio business support service commercial school commercial storage (indoor storage only) contractor service, limited convenience vehicle rental custom indoor manufacturing custom workshops drive through vehicle service equipment, minor financial services food service, mobile catering food service, restaurant (if located within a multi-lot industrial section) food specialty (if located within a multi-lot industrial section) food service, drive-in household repair service office recreation, indoor utility service, minor vehicle repair, minor veterinary service, minor warehousing and storage (indoor only) Sign Type A, B, D, F*(Bylaw 1-2011) Sign Type G (Bylaw 1-2011)		auctioneering establishment (provided all goods and equipment are stored and displayed within an enclosed building) care centre, intermediate care centre, major contractor service, general equipment, major flea market (provided all goods for sale are contained within an enclosed building) fleet services food and beverage products funeral service gas bar greenhouse and plant nursery government service industrial, general parking, non-accessory (Bylaw 77-2006) recreation vehicle storage (Bylaw 34-2011) recycling depot recycling drop-off recycling oil depot residential security/operator unit retail alcohol retail, secondhand utility service, major vehicle repair, major Sign Type E, (Bylaw 1-2011)

### 15.7.4 Subdivision Regulations

- a) The minimum lot width is 30 m.
- b) The minimum lot depth is 35 m.

**15.7.5 Development Regulations**

- a) The maximum floor area ratio is 0.5.
- b) The maximum height is 15 m.
- c) The minimum front yard is 7.5 m.
- d) The minimum side yard is 4.0 m except it is 6.0 m on a flanking road.
- e) The minimum rear yard is 4.0 m, except it is 7.5 m where it abuts a road or a residential district.

**15.7.6 Other Regulations**

- a) No operation or activity associated with any use in this District, shall be permitted which would create a nuisance factor from noise, odour, earthbourne vibrations, heat, intense light sources or dust, outside an enclosed building.
- b) All loading, service, garbage collection and storage areas (where permitted), shall be located to the rear and sides of the principle building and shall be screened from view from any public roadway other than a lane, and from adjacent sites by a wall, landscape materials, berms, fences, or a combination of these features, to the satisfaction of the Development Officer.
- c) Commercial vehicles and equipment associated with convenience vehicle rental, fleet services or food service, mobile catering, may be stored on-site in accordance with 15.2.6 b), provided the area used for storage of these vehicles does not exceed the area of the building used by the business to carry out its operations. No materials, equipment or vehicles shall be in a state of disrepair.
- d) The Development Officer may require that any exposed projections outside the building, such as mechanical and electrical equipment and cooling towers, be screened from view from any public roadway and adjacent sites if, in the opinion of the Development Officer such projections are inconsistent with the character and appearance of surrounding development or intended visual qualities of this District.
- e) All buildings shall be constructed and finished with durable materials. The Development Officer may require that the appearance of metal, and/or concrete block be improved with finishing materials that maintain an appearance which is characteristic of surrounding development.
- f) In addition to the regulations listed above other regulations apply. These include the general development regulations of Section 6 (access to sites, accessory development, yards, projections into yards, lighting, environmental setbacks, etc.), the landscaping and screening provisions of Section 7, the parking and loading regulations of Section 8, the specific use regulations of Section 9 for those uses noted with an asterisk (\*), and the sign regulations of Section 10.