



## Common Questions about Electronic Map for ILEC Telephone Exchange Boundaries

The Iowa Utilities Commission (IUC) and the Department of Management's Division of Information Technology (DoIT) created a map showing the service boundaries for wireline telephone incumbent local exchange carriers (ILECs) providing service in Iowa. You can find it on the IUC website ([iuc.iowa.gov](http://iuc.iowa.gov)) homepage and under the Regulated Industries navigation tab at the Telecommunications dropdown. A user guide is also available.

### Background

The Federal Communications Commission (FCC) requires that incumbent local exchange carriers (ILECs) submit new and updated study area boundaries to the FCC. ILECs are also required to recertify existing study area boundaries with the FCC every two years. The FCC allows state commissions to submit this information on behalf of ILECs.

The IUC assumes this responsibility for most ILECs, but a few ILECs submit their own data and certifications. The IUC's rules at 199 Iowa Administrative Code chapter 22, "Regulation of Telecommunications Service," address mapping and service areas, in furtherance of the FCC's requirements.

Subrule 199 IAC 22.7(2) requires all ILECs to file with the IUC maps that "identify their exchanges and both the internal exchange boundaries where the telecommunications service provider's own exchanges abut and the ultimate boundaries where the telecommunications service provider's exchanges abut the exchanges of other telecommunications service providers."

The rule additionally a CLEC to either file its own exchange boundary map or adopt the exchange boundary map filed by the ILEC serving that exchange. Maps must be filed in electronic format as approved by the IUC and updated by the CLECs and ILECs when the company adds service to an exchange or when the company ceases providing service to an exchange.

### 1. What is the purpose of the IUC map?

The map shows wireline incumbent local telephone exchange boundaries in Iowa.

### 2. What is the purpose of the disclaimer?

The disclaimer explains that this map presents information on territory boundaries for the state of Iowa's wireline telephone ILECs and Iowa's telephone area codes. As such, it does not offer service territory information for all provider types. Other resources, such as the FCC's website or a carrier's website, may offer information about other service or provider types. Additionally, the map was designed to capture the most up-to-date information available and is accurate only to the extent that accurate data has been provided to the IUC. The IUC periodically improves and updates the map features and GIS data.

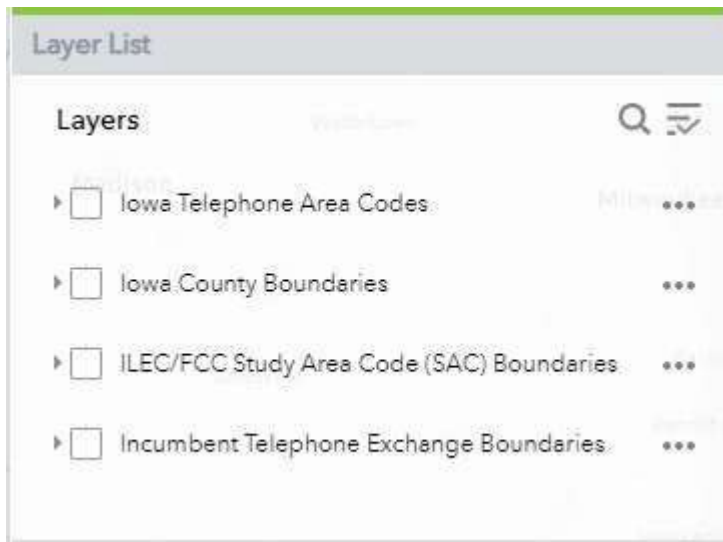
### 3. What can the map show? Are there any limitations?

The map does not include all telecommunications provider types or services in any given area. It offers a statewide view of telephone exchange service area boundaries for ILECs using several layers of data. The various layers can visually identify the study area boundaries for an

ILEC and the study area code (SAC) assigned to the ILEC by the FCC, as well as the individual exchanges within the ILEC. As a subunit of the larger ILEC, each individual exchange within would also be identified through that SAC.

For example, the Grand River Mutual Telephone ILEC's study area boundary is assigned SAC Identifier # 351888 and the Leon Telephone Exchange is one of the exchanges within that ILEC.

The map offers four layers that may be viewed in any combination to show the relationships between the boundaries presented by each layer:



#### 4. When did the telephone exchange boundaries map become available?


Previously, the telephone exchange boundary map was available upon request. This electronic map was made available on the IUC website in January 2022.

#### 5. How do I access the map from the IUC website?

The IUC website has two locations that link to the map:

- Navigate under **Regulated Industries** on the toolbar across the top of the IUC homepage. Under the Telecommunications submenu, select Telephone Exchange Boundary Map to view the map.
- Navigate to **Quick Links** on the right side of the homepage of the IUC website. Select View a Utility Service Area Map and select Telephone Exchange Boundary Map to view the map.

#### 6. How do I use the map?

The User Guide provides instructions on how to navigate the map and use the features. Access the User Guide by clicking on the link on the initial splash screen or by clicking on the information  icon in the upper right side of the map in the green shaded area.


#### 7. How frequently are the map boundaries updated? What would prompt an update?

Per IUC rules, updates to the map occur when a company becomes the ILEC for an exchange through acquisition of the existing ILEC or its systems and the existing ILEC ceases providing service to an exchange. All study area boundaries are recertified to the FCC every two years.

## **8. What is GIS?**

GIS stands for “geographic information system.” It is a computer-based tool used for mapping that analyzes spatial location and organizes layers of information into visualizations using maps and 3D scenes.

## **9. How do I print the map?**

Select the map to print and click on the printer icon at the top right corner of the map. This opens a panel to set printing options. The default settings will generate a letter-sized PDF of the current map view. The size, output type, title, and other properties can be changed by clicking on the advanced tool button below the default print settings. View the User Guide for more information on printing. To access the User Guide, click on the information  icon in the upper right side of the map in the green shaded area.

## **10. What is a shapefile? Can individual shapefiles be used in other GIS maps?**

A shapefile is a file format for storing the type of data used in GIS maps. A shapefile can be downloaded to use that data in another GIS map. To download a shapefile, start by consulting the user guide, which will provide instructions to navigate the Geospatial Data Clearinghouse webpage.