

iconectiv COMMON LANGUAGE[®] Location Information Services (CLLI)

Q: What exactly is a COMMON LANGUAGE Location Code (CLLI Code)?

A: A CLLI code is an 11-character, standardized, geographic identifier that uniquely identifies the geographic location of places and certain functional categories of equipment unique to the telecommunications industry.

All valid CLLI codes are created, updated and maintained in the Central Location Online Entry System (CLONES) database.

Q: How are CLLI codes used?

A: COMMON LANGUAGE Location Codes (CLLI Codes) are used worldwide to identify and describe three types of locations:

- **Network sites:** These include such network locations as central office buildings, business and commercial offices, microwave radio structures and earth stations.
- **Network support sites:** These include such locations as international boundaries or crossing points, end points, fiber nodes, cable and facility junctions, manholes, poles and repeaters.
- **Customers' sites:** These include customer locations and associated circuit terminations, facilities or equipment for each specific customer.

The CLLI Codes are used to improve internal management of the above locations, and form part of the ASR/LSR process for interconnection in the United States. CLLI codes enable the communication of location information to be automated (through APIs) between companies.

Q: Who uses CLLI Codes?

A: CLLI codes are used throughout the world. The CLONES database contains the details of millions of locations across the world, enabling automation and process efficiency for the largest Service Providers.

Q: Why are CLLI Codes and CLONES Needed?

A: CLLI Codes are required for a number of reasons:

- CLLI codes offer a unique way of unambiguously identifying a location and its function. The code itself is concise and meaningful, enabling:
 - o Process automation within and between service providers
 - o Rapid understanding of the network through an enforced coding standard for network sites and entities. Reports may be compiled by finance and engineering using the same data, ensuring consistency.
- A CLLI Code is required to obtain an NPA NXX code.
- CLLI codes are required in the ASR/LSR process.

- The CLLI code is also used as a primary key into the CLONES database to enable further details to be understood about a location.
- The combination of CLLI and CLONES enables departments within an organization to refer to the same location in the same way, without risk of ambiguity.
 - o This is further enhanced when sharing location information between Service Providers where mistakes communicating location information can lead to expensive work around or litigation.

Q: How do I Create, Query, Amend, or Delete CLLI codes?

A: There are two ways to obtain CLLI Codes. Details of both methods are available via the Customer Support Center.

1. CLLI codes may be purchased individually from the Telcordia Store, via our LOA process. This process enables you to obtain your CLLI code, which includes having it entered into the CLONES database, for a one-time fee. Once the CLLI code is delivered to you, Telcordia will continue to store the CLLI code in CLONES, per the terms and conditions of the LOA agreement. To order CLLI codes via the Telcordia Store [click here](#), otherwise contact the Common Language Customer Support Center.
2. It is possible to obtain a license to the CLLI code set. This provides you with the ability to access CLONES and create your CLLI codes directly. The license takes the form of an annual subscription fee, plus a usage charge to create, amend, delete, and query CLLI codes via CLONES. Training, SME Support and TAG membership are among the benefits of a CLLI license.

Q: How do I gain access to the CLONES database?

A: A special login, password and SecurIDTM card are required in order to create, delete or update CLLI codes residing in the CLONES database. CLONES access is only available to CLLI licensees. Licensees may call the Common Language Customer Support Center to obtain the relevant documents and support for accessing CLONES.

Q: How do I contact the Common Language Customer Support Center?

A: The contact details for the Common Language Customer Support Center are in the bottom-right corner of this FAQ document.

Q: How do I get complete listings of geographical and geopolitical codes?

A: Complete listings of geographical and geopolitical codes can be found in the BRs in Code Center. To order these, or any other BR documents, licensees of COMMON LANGUAGE Products can contact the Common Language Customer Support Center.

Q: How do licensees request new geographical or geopolitical codes?

A: Licensees are welcome to submit their coding requests to the Common Language Customer Support Center.

Q: How do non-licensees request new CLLI codes?

A: As CLLI code set maintenance agent for the American National Standard Institute (ANSI), we also administer non-licensees' requests. Per the LOA process described previously, codes may be ordered online [here](#) or via the Customer Support Center.

Q: How Are CLLI Codes Developed?

A: Each CLLI code conforms to one of three basic formats (Network Entity, Network Support Site and Customer Site). Each format, in turn, determines how these six coding elements are used:

1. Geographical Codes (Example: DNVR = Denver)

Typically assigned to cities, towns, suburbs, villages, hamlets, military installations and international airports, geographical codes can also be mapped to mountains, bodies of water and satellites in fixed-earth orbit.

2. Geopolitical Codes (Example: CO = Colorado)

Typically assigned to countries, states and provinces, geopolitical and geographical codes can be combined to form a location identifier that is unique worldwide.

3. Network-Site Codes (Example: 56 = A central office on Main Street)

This element is used with geographical and geopolitical codes to represent buildings, structures, enclosures or other locations at which there is a need to identify and describe one or more functional entities.

This category includes central office buildings, business and commercial offices, certain microwave-radio relay buildings and earth stations, universities, hospitals, military bases and other government complexes, garages, sheds and small buildings, phone centers and controlled environmental vaults.

4. Network-Entity Codes (Example: DS0 = A digital switch)

This element can be used with geographical, geopolitical and network-site codes to identify and describe functional categories of equipment, administrative groups or maintenance centers involved in the operations taking place at a given location.

5. Network Support-Site Codes (Example: P1234 = A telephone pole)

This element can be used with geographical and geopolitical codes to identify and describe the location of international boundaries or crossing points, end points, fiber nodes, cable and facility junctions, manholes, poles, radio-equipment sites, repeaters and toll stations.

6. Customer Site Codes (Example: 1A101 = A customer)

This element can be used with geographical and geopolitical codes to identify and describe customer locations associated with switched-service networks, centrex installations; trunk forecasting, cable, carrier or fiber terminations, NCTE, CPE and PBX equipment, military installations, shopping malls, universities and hospitals.

Q: I want to know more, what do I do?

A: Contact the Common Language Customer Support Center.

For more information about iconectiv,
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