equipment information services with CLEI™

Network Equipment represents one of the most significant investments a service provider can make. The equipment assets are central to providing service to customers and are of interest to the entire enterprise. The network assets are referenced and managed in the warehouse, the field, Planning, Provisioning and Finance. Having numerous perspectives on the same thing requires significant alignment of efforts to ensure that all of the stakeholders' needs are met. In reality, this is a major task and, as each department pursues its own objectives, they may fail to appreciate the needs of others. Numerous teams working independently on the same assets, without being able to effectively communicate their activities with other interested parties, eventually leads to inefficiencies in the life cycle of an asset (a typical example is Finance not being able to track an asset's current status). With network assets representing a major investment for service providers, any inefficiencies in their management is reflected in the company's bottom line.

TruOps Common Language® CLEI™ Codes and the supporting CLEI records enable an enterprise to unite around a single data infrastructure representing an asset. Through identifying the smallest orderable part to revision level, the 10 character, intelligent CLEI Codes may be used to reference the network equipment type by anyone in the organization and ensure that all references are to the same asset type.

- Network equipment is a major investment

- Silos prevent Finance accurately reporting an asset's status

- A single, consistent equipment asset definition saves time and money

- Finance can accurately track an asset's lifecycle across the enterprise

By having vendors CLEI code their equipment, the service provider can be assured that, amongst other things:

- The data infrastructure supporting the asset has been completed in a consistent manner before the equipment has been delivered to the customer site;

- Finance can benefit from a standard asset categorization, including its use and technology type;

- Engineering and Planning can understand the asset's capabilities and characteristics;

- The warehouse will know the label will be consistent with the labels on all other equipment assets and will define interchangeability;

- The field staff will be able to read the label and identify equipment assets while the equipment is in service.

standard financial asset classification

When CLEI coding a network element, iconectiv classifies the equipment in 4 different ways.

- **Main account** – we apply the FCC Main account code

- **FRC** – Field Reporting Code, describes the type of equipment and where the equipment is used (e.g. central office, outside plant, etc). By using the FRC, Finance is able to report on the value of assets according to categories defining where in the network the material is used.

- **ECN** – Equipment Category Number, describes the technology in detail, enabling Finance to identify material costs by material technology.

- **CPR** – Continuing Property Record, enables the finance department to apply consistent depreciation models, tax models, etc to each equipment type, for the life of the network equipment asset. There are 220,000+ CPR classifications.

iconectiv®

TruOps Common Language

centralized, standard data infrastructure

Along with providing the CLEI coding process, iconectiv provides a centralized point of asset information management, i.e. the data infrastructure therefore has an owner. It doesn't matter if the equipment is delivered to the warehouse or straight to site, the characterization of the data will be in the same form, to the same detail, completed by the same team. The CLEI coding process captures information such as: voltage, amps, physical weight, physical size, operating temperatures, humidity ranges, number of ports and more. Setting up a centralized, standard process for vendors to use is no small task. CLEI is standard across the industry, used by some of the world's largest service providers, with 1300+ vendor, identifying 450,000+ equipment types.

standard labeling

The CLEI requirements define the size of the label, its position on the equipment and the information contained on it. It is required to be visible while the equipment is in service – removing the need to extract plug-in cards in order to work out which label defines the product ID. CLEI labeling is consistent across all vendors, removing any doubt as to which label is to be used to identify the equipment type.

auto-discovery

Where available the CLEI is required to be stored in the MIB, enabling auto-discovery.

cost saving

- Prevents errors due to incorrect equipment being ordered/delivered
- Save time characterizing equipment assets
- Simplifies the financial modeling of network assets
- Reduces spares inventory
- Enables auto-discovery

resources available with a subscription

- CLEI codes
- Procurement assistance
- CLEI Inquiry equipment database
- XML
- Local Data Repository
- Support from our CLEI Subject Matter Experts
- Industry forums for service providers to meet and discuss the evolution and best practice of implementing Common Language with other service providers
- iconectiv policy management of key data elements, ensuring consistency in the data
- Training

CLEI provides a single data infrastructure for network equipment assets. It identifies the smallest orderable part to revision level. The labels are visible while the equipment is in service. CLEI data is recorded before the asset arrives on site.

CLEI Code	CLEI Record
10 character unique standardized code to represent the equipment type stored in the MIB	Standard data describing all equipment types
Identifies equipment to revision level and the smallest orderable part	Includes a wide range of characteristics
Defines Interchangeability and classifies asset type, manufacturer, and technology	Standardized financial classification
Used as a key in a database of 450,000 equipment types	Identifies compatibility between equipment

iconectiv®