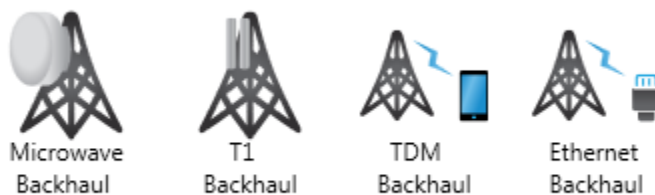# Radio Communication Components in CSET 7.1

Introduction

This document describes the new radio communication components in CSET 7.1. These components have been developed in CSET 7.1 to enable asset owners to produce a diagram of radio communications equipment.

This portion of the document contains information on the following components:

Microwave Backhaul | T1 Backhaul | TDM Backhaul | Ethernet Backhaul

- **Microwave Backhaul**, **T1 Backhaul**, **Ethernet Backhaul**, and **TDM Backhaul** are communication elements that transmit data from the central system to edge nodes of a communication system. The first part of the name indicates the physical method used to transmit data.

Audio Switch

- **Audio Switch** is a component that has the capability to digitize audio and send to other network paths. This component will be used in connection to a PBX, dispatch operator or some audio source.

Relay Panel

- **Relay Panel** is a component that represents a device to transmit T1 data to other T1 nodes and acts as a router.

Radio Site

- **Radio Site** is a component that represents a remote located radio tower. It can contain sub-elements (such as antennas, power systems, backhauls, etc.) Other components can be co-located along with the radio tower if desired.

Subscriber Radio

- **Subscriber Radio** is a component representing a mobile land radio device. A wireless communication system intended for use by users in mobile vehicles or on foot. Examples of these devices are a handset, car installed unit, or radio connected computer terminal.

Dispatch Console

- **Dispatch Console** is a component that represents equipment used by dispatchers whom are responsible for receiving and transmitting pure and reliable messages, tracking vehicles and equipment, and recording other important information.

Master Site

- **Master Site** is a component to represent the general core radio system equipment that performs the control of radio transmissions and also interconnects to other radio system domains.
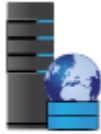

Virtual Machine Server

- **Virtual Machine Server** is a component that represents a server that hosts multiple virtual machines running operating systems in a fully virtual (completely emulates all hardware devices) or para-virtual mode (complete emulation of hardware devices is not required).

Wireless
Router

- **Wireless Router** is a component which represents a device that performs the functions of a router and also includes the functions of a wireless access point.

DNS

- **DNS** (Domain Name System Server) is a System for converting alphabetic names into numeric IP addresses.