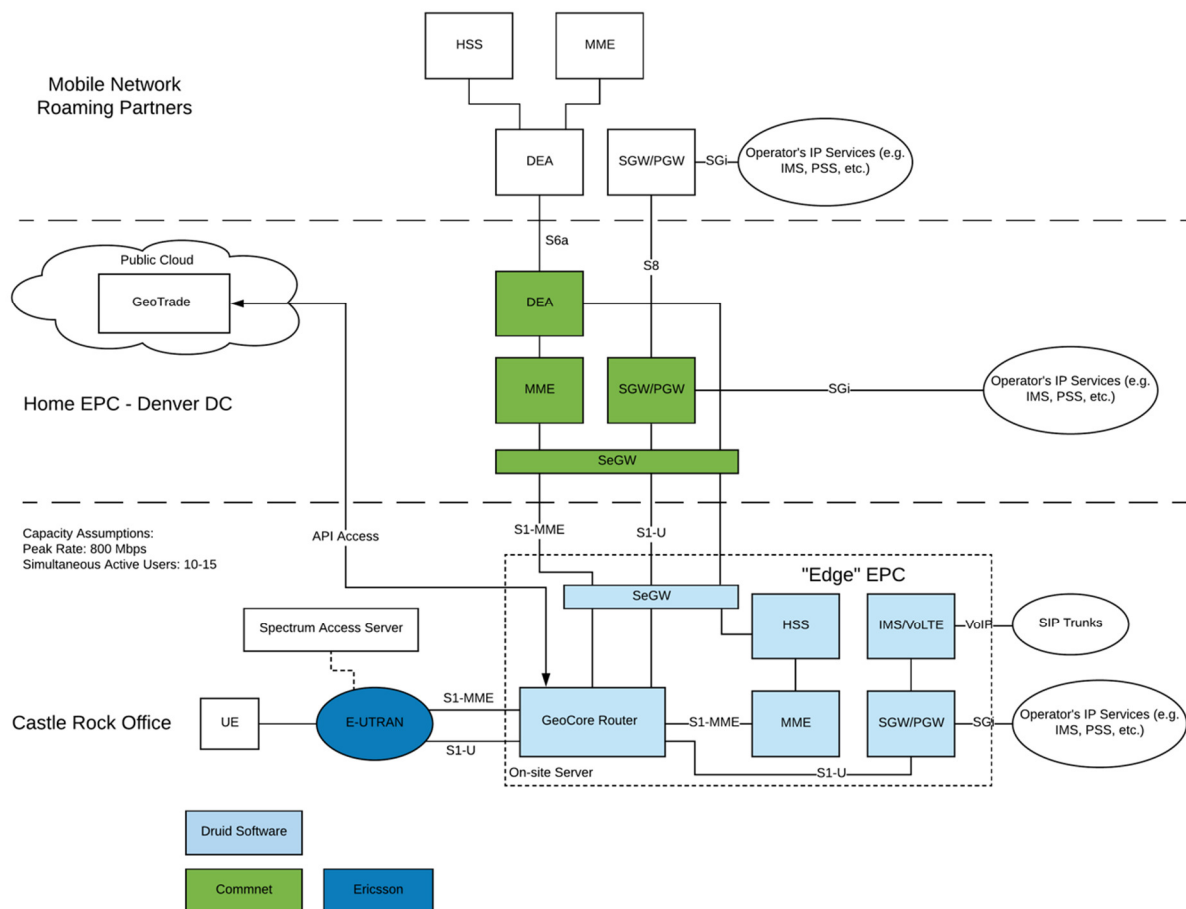


Exhibit to STA application for Castle Rock, CO
July 2018

Geoverse is developing a unique service management system which complements enterprise deployment of LTE systems in CBRS spectrum. This management system is intended to provide both the enterprise and participating mobile operators with detailed analytical information on the use of the network in side buildings as well as measure and manage service level agreements between the enterprise network provider and customers using the network from the mainstream mobile network operators.

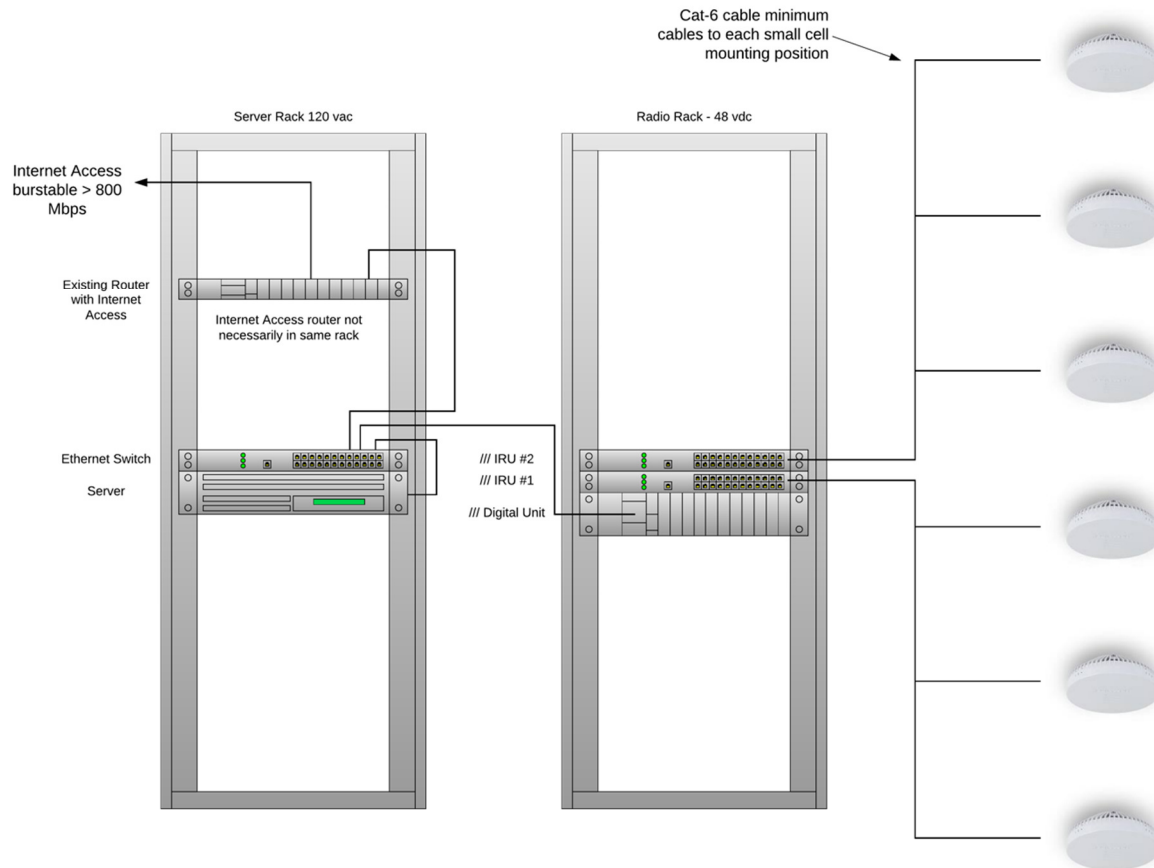
The purpose of this STA application is to deploy a private LTE system in our Castle Rock, CO facility to carry out tests, experiments and demonstrations of the Geoverse system.

The high-level architecture of the system to be tested is shown below.



The equipment and software providers involved in the test system are 1) Ericsson provider of small cell radio system, 2) Druid Software provider of the "edge" EPC software, and 3) existing ATNI mobile core networks systems.

The equipment to be deployed and connections between the small cells and switch, server and internet connection are show in the below diagram. The on-site server will host the MOCN gateway and the EDGE EPC. The Service Management System will be hosted in a public cloud environment.



The CBRS small cells will be ceiling or wall mounted. Each small cell is expected to cover between 3,000 and 6,000 square feet. The main radio parameters of the equipment are:

Ericsson Model Number: RD 4442
 Action Frequency 3550.00000000- 3700.00000000 MHz
 Output Power: ERP 2x20 dBm; EIRP 2x17.85 dBm
 Mean Frequency: M
 Peak Tolerance (+/-): 0.00040000 %
 Emission Designator: 40M0W7D
 Modulating Signal: LTE-TDD
 Antenna Pattern: Omni
 Mounting Height: 3m or 6m depending if small cell on 1st floor or 2nd
 Latitude/Longitude: 39° 23' 7.0"N, 104°52'1.3"W
 County: Douglas
 Site elevation AMSL: 1879m

Specifically, the experiments to be conducted include the following:

- The ability to connect CBSDs to the planned core network of Geoverse;
- Confirm the coverage area of a CBSD and verify performance including mobility between small cells;
- Confirm ability of Geoverse devices to roam to other mobile network operators;
- Confirm ability of other mobile operator devices to roam onto Geoverse private LTE network;
- Demonstrate services across a variety of enterprise types including office work and IoT applications for industrial facilities;
- The ability of Geoverse to deploy its proprietary service management components to measure the services provided within the CBSD network;
- To ascertain whether the Geoverse network components can accurately measure the customer experience provided by the CBSD network;
- To determine if the Geoverse network components can store and distribute useful reports of the customer experience on the CBSD network.