KCCi Fact Sheet

Over 30 years ago the breakup of Ma Bell created competition in the telecom industry along with technological advancements changed how we do business. The telecom and computer industries converged and with this collision between computer & telephony technologies the net result changed the way telephone service was delivered in the past.

Traditionally, telephone service have in the past and still are today delivered via "P.O.T.S. Lines," aka: "Plain Old Telephone Service" for more than 135 years. Historically, each community had one local phone company. The local phone company would connect to the public switched telephone network or P.S.T.N. Connectivity to a customer's premise was (and still is today) by a pair of copper wires that connects a customer's home or business to the local phone company. P.O.T.S. Lines are analog and are sometimes called "copper lines from the street."

ANALOG TELEPHONE LINES

Voice Services

Analog lines are often referred to as Plain Old Telephone Service (POTS) lines and provide a single analog communications circuit between the local end office (Class 5 switch) and the customer's telephone, key system, fax machine or modem. The analog line offers a reliable solution for routine business telecommunications applications.

BENEFITS

- ✓ **Feature-rich & Flexible**: Telco companies such as CenturyLink, AT&T, Verizon and Integra offer an impressive array of local features that define and enhance its business line offering:
    - ➢ Caller ID
    - ➢ Call waiting
    - ➢ Speed dialing – Conference call (three-way calling)
- ✓ **No oversubscription available:** Analog lines are comprised of one phone number per line (1:1 ratio).
- ✓ **Practical:** A large government office may provision business lines to use as a disaster recovery back up to a local PBX solution.
- ✓ P.O.T.S. Lines receive power from the "BOC" (Phone Company Central Office).
- ✓ **Customer Service:** Verizon is the single point of contact.

FEATURES

- ✓ Telco companies like CenturyLink, AT&T, Verizon and Integra.Verizon supports two-wire analog lines with loop signaling at 4000 Hz bandwidth per the specifications in Telcordia Pub SR-TSV-002275, Section 13.2.2.
- ✓ Connect homes/businesses over copper wires *(copper wires wound around each other are called "twisted pair")*
- ✓ Traditionally used for voice communications using an analog signal
- ✓ Support data by utilizing a modem at a maximum rate of 56 Kbps
- ✓ Typically provisioned with "loop start signaling"
- ✓ **Trunk Lines:** "Ground start signaling" may also available

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